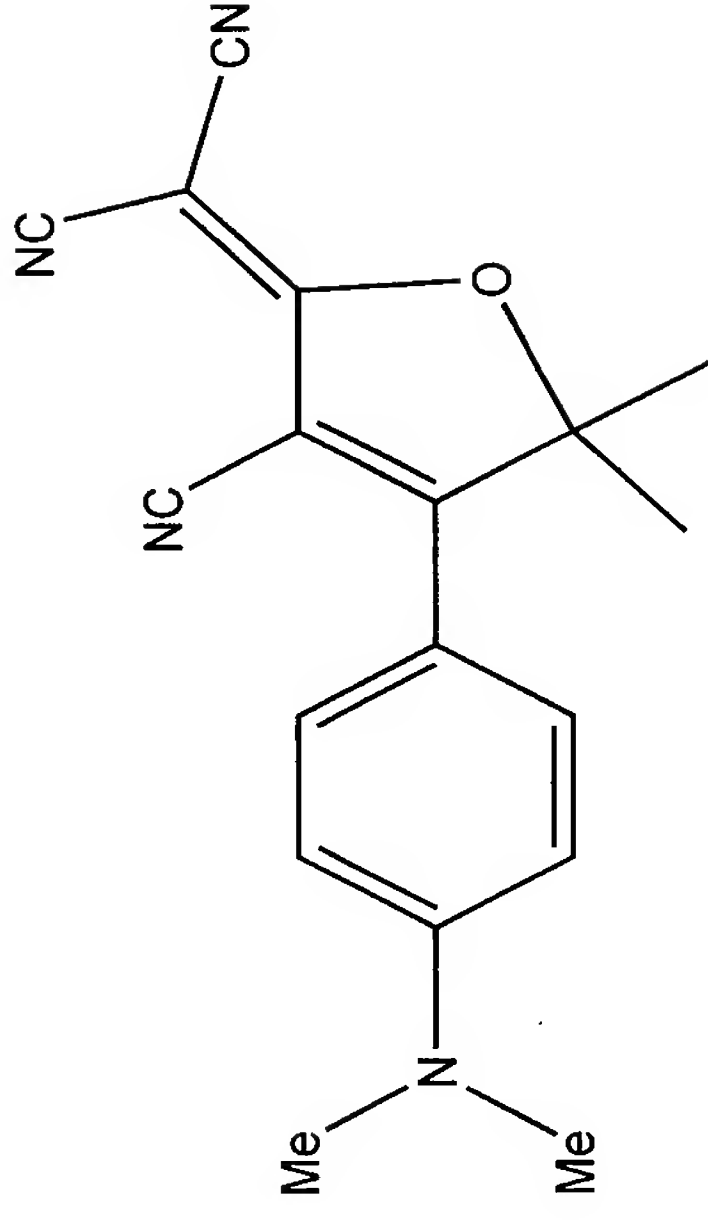
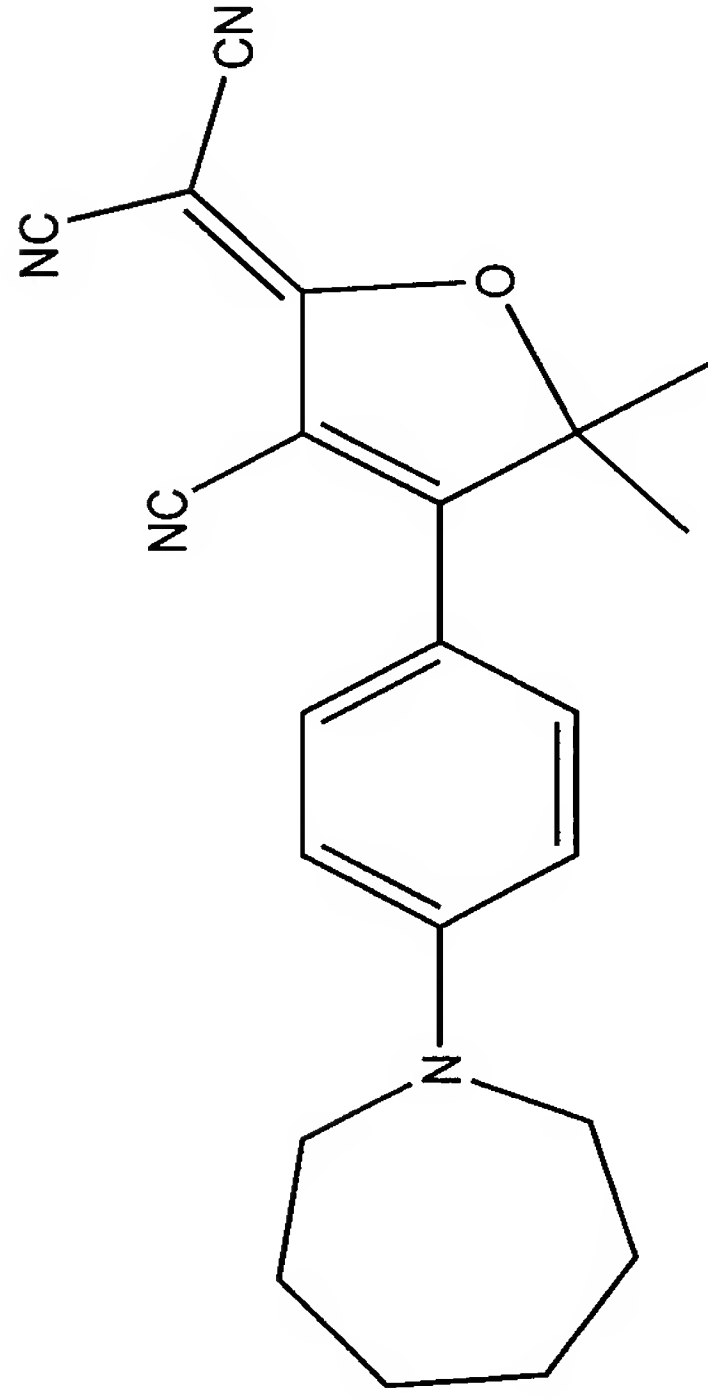


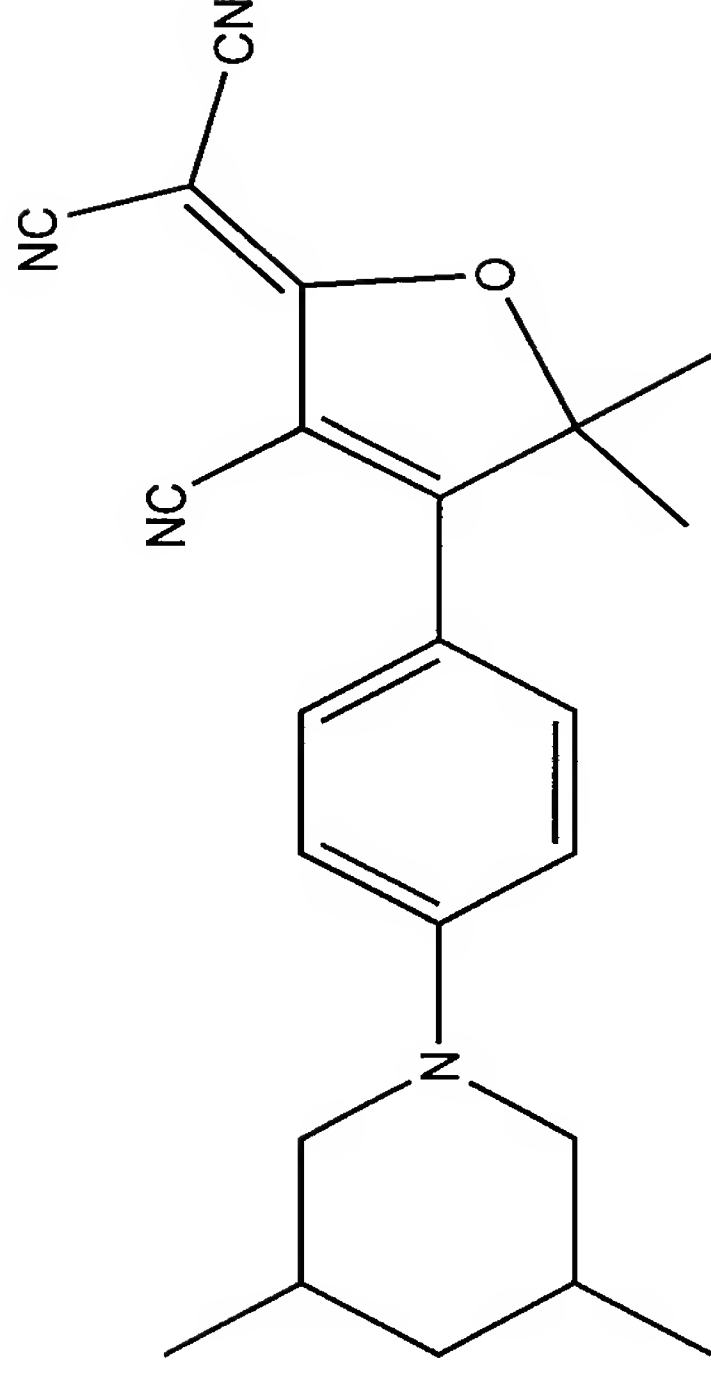
(1)



(2)

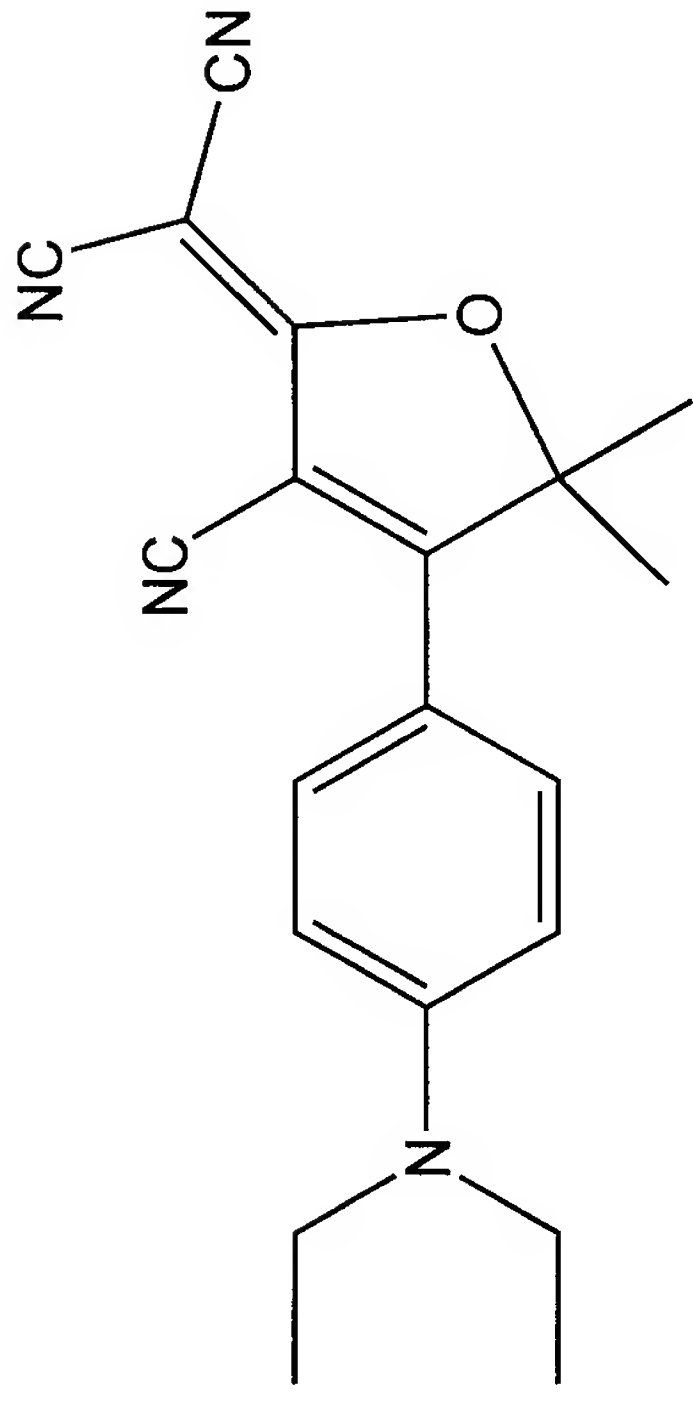


(3)

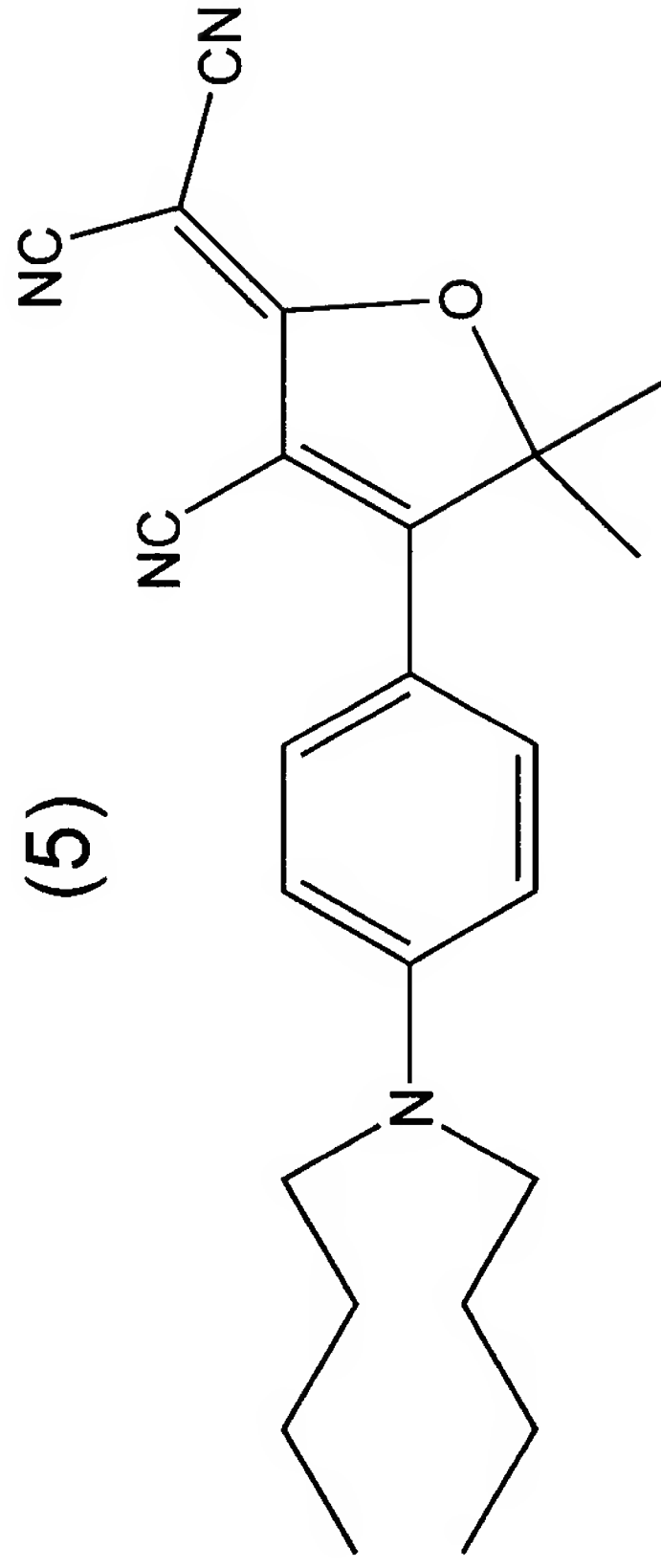


(4)

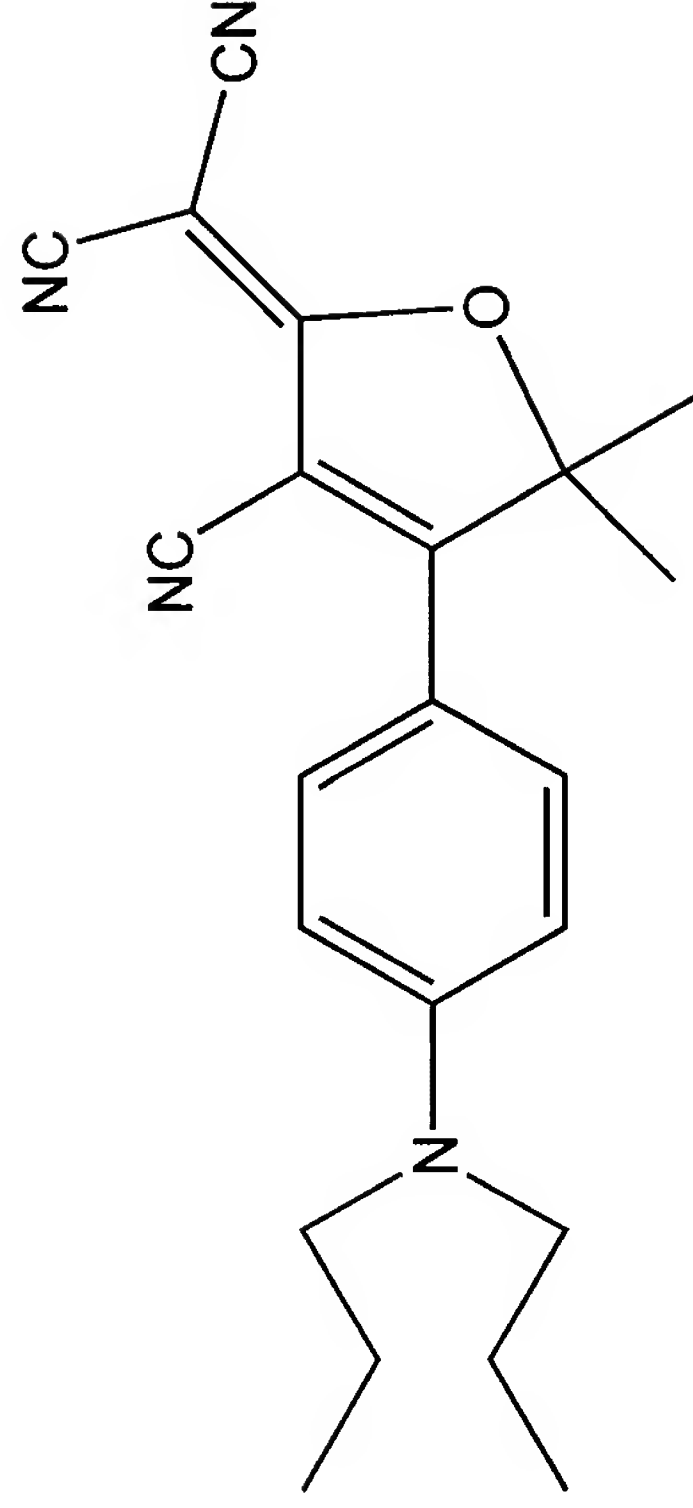
Fig. 1



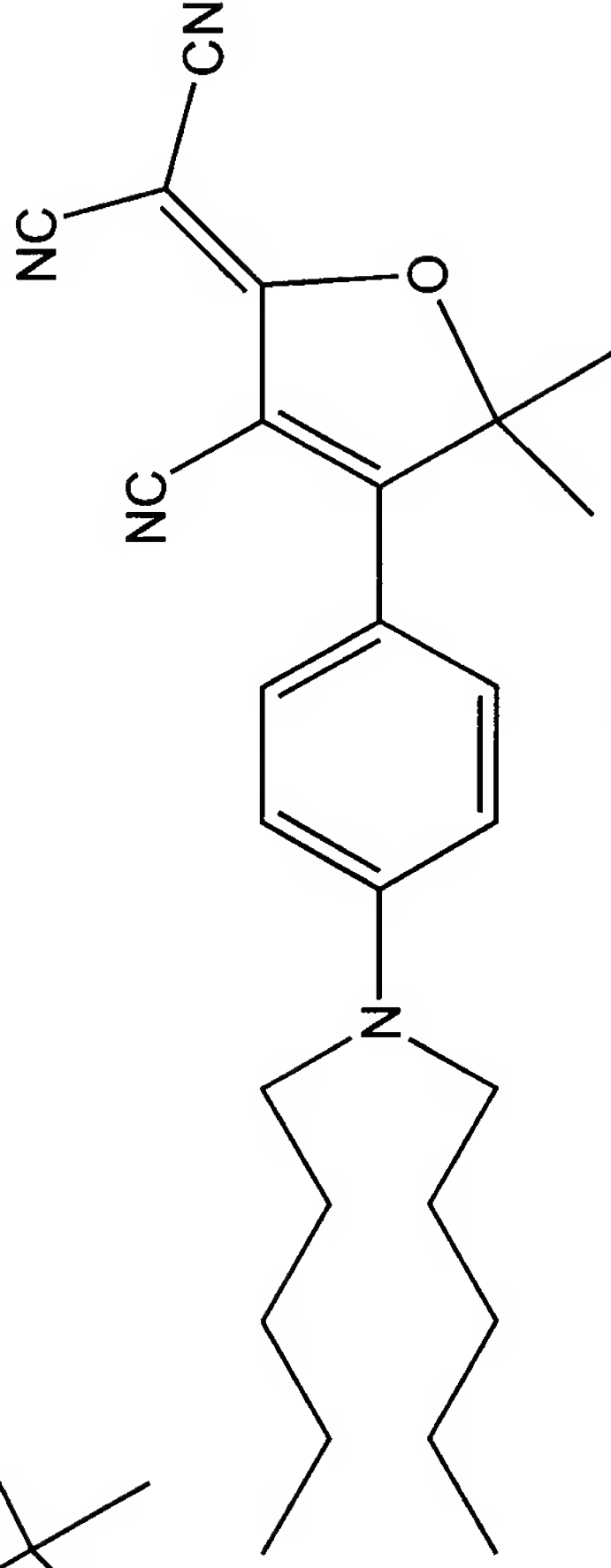
(5)



(7)

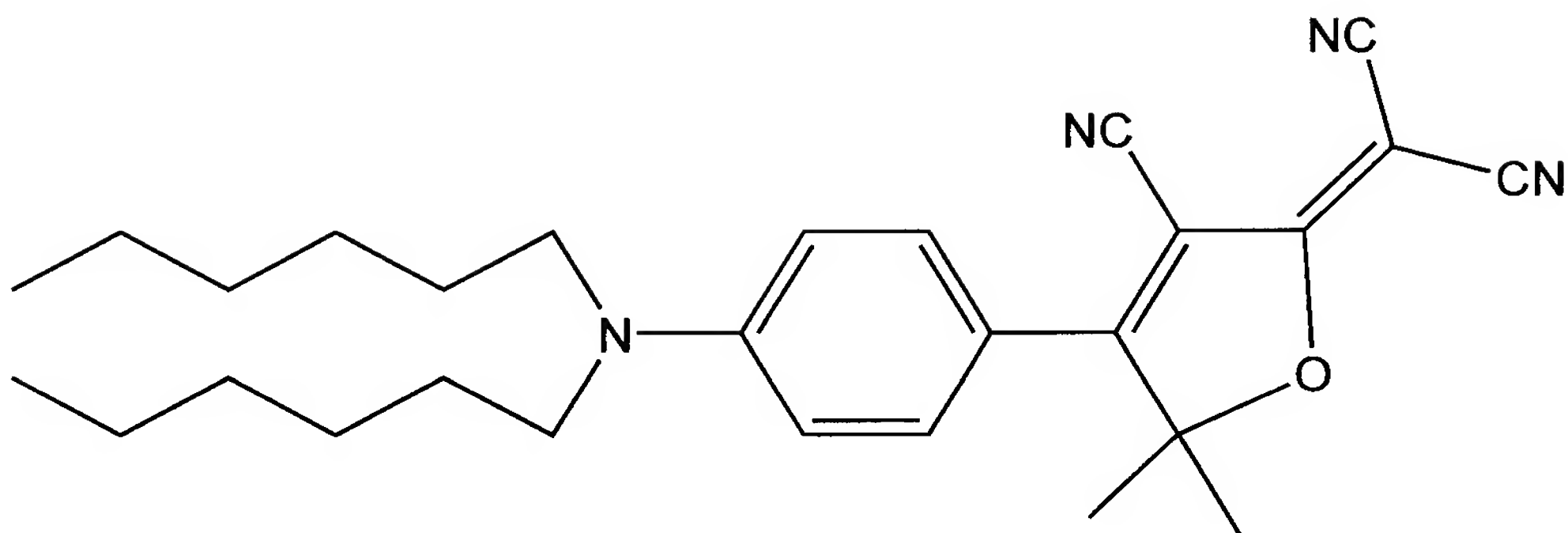


(6)

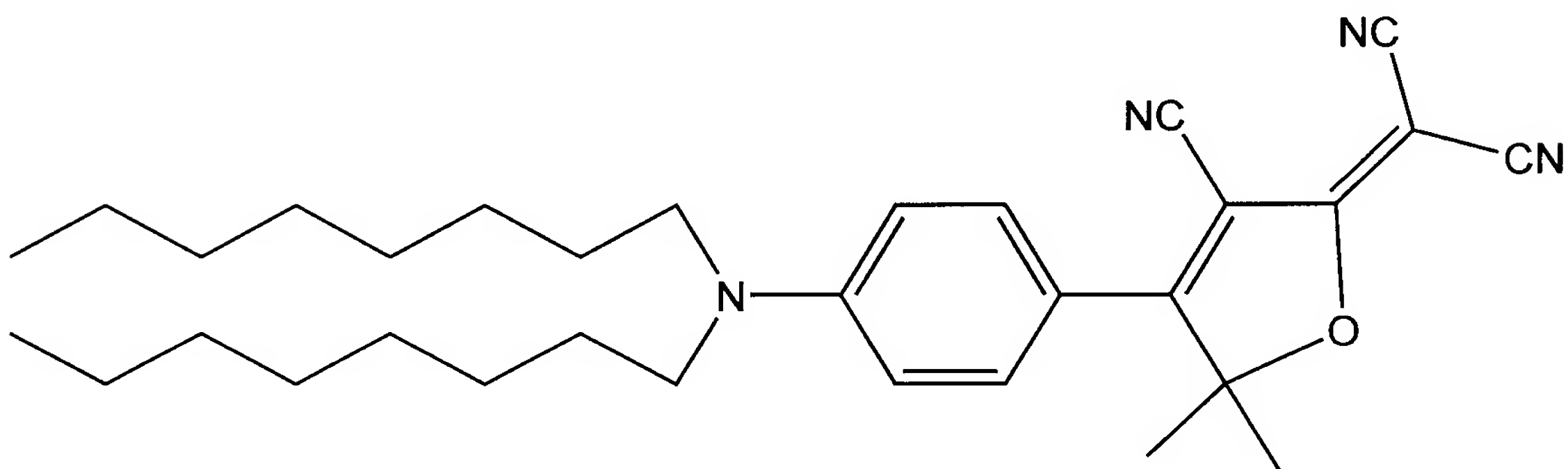


(8)

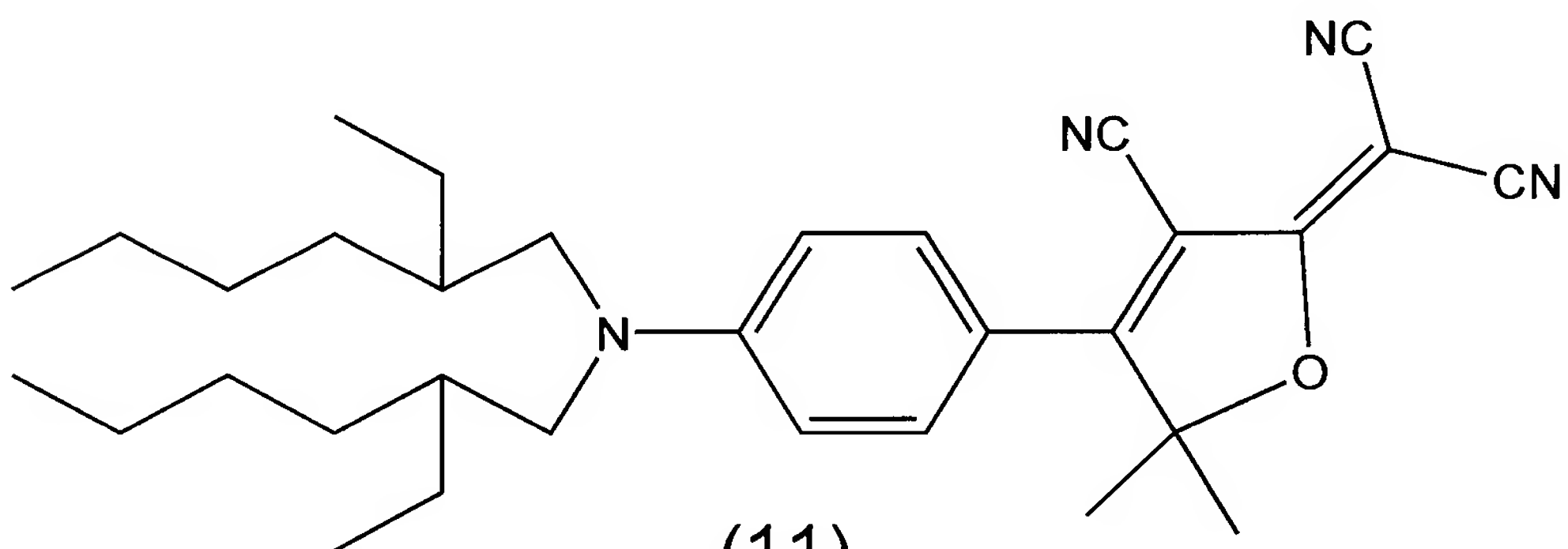
Fig. 2



(9)

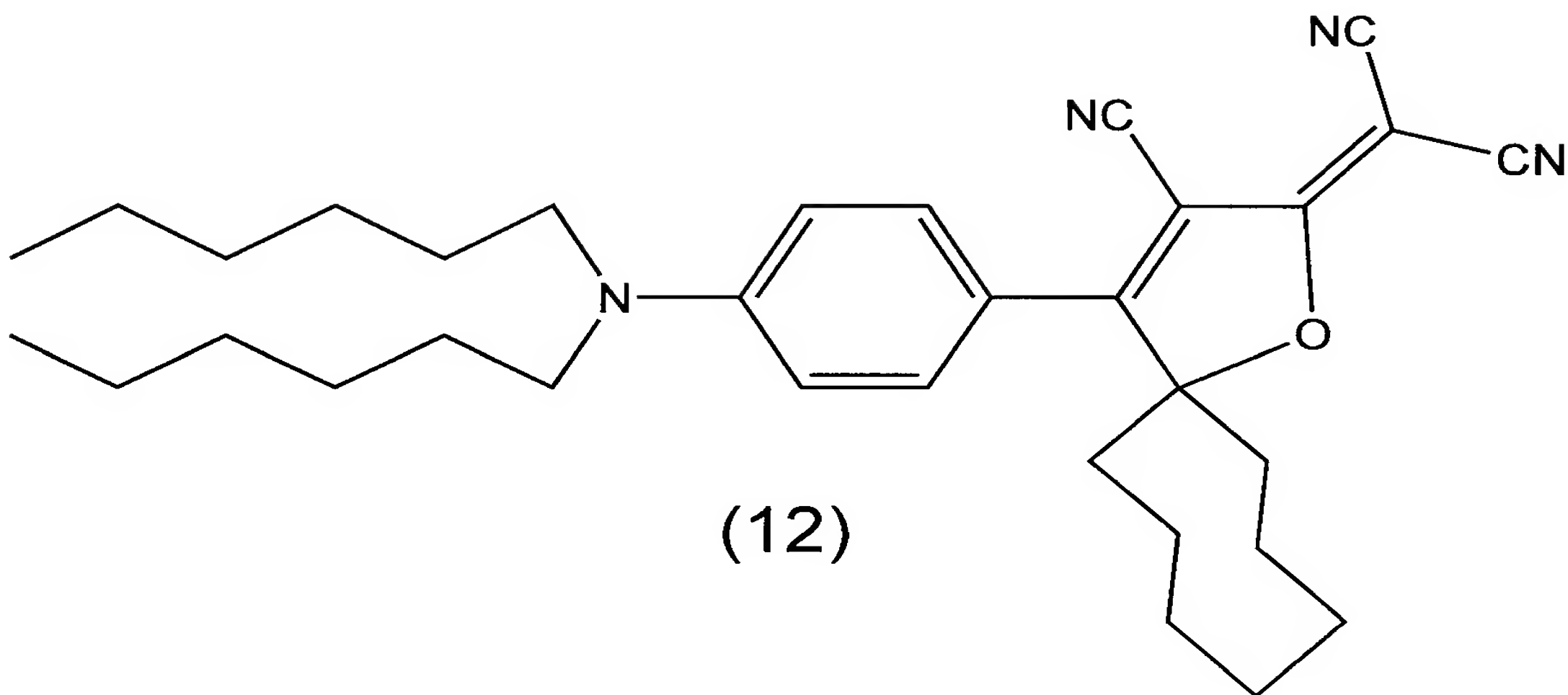


(10)

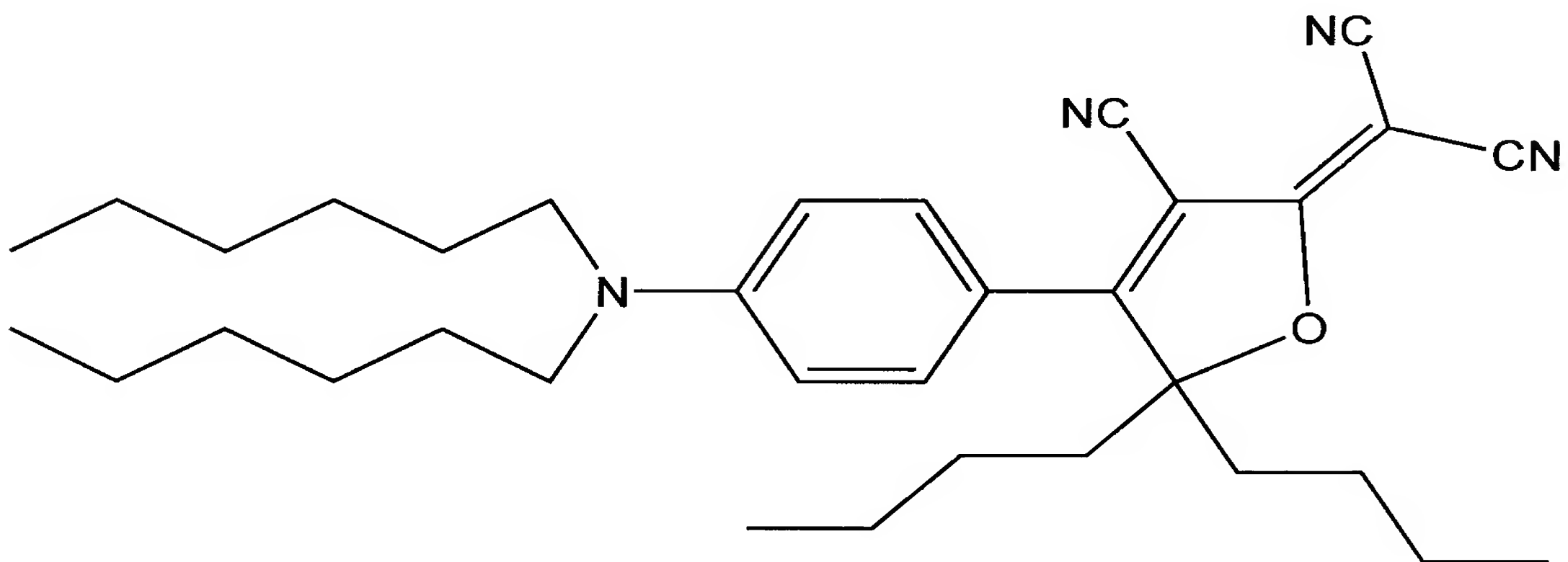


(11)

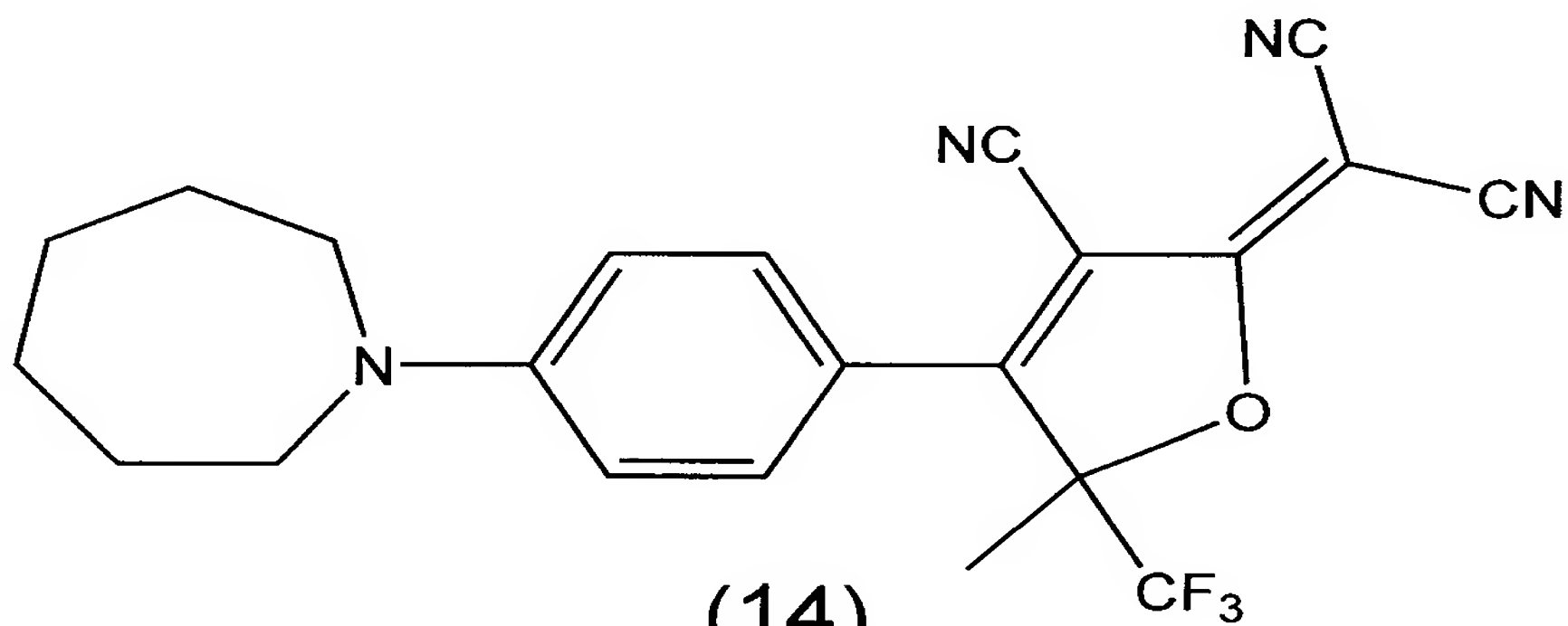
Fig. 3



(12)

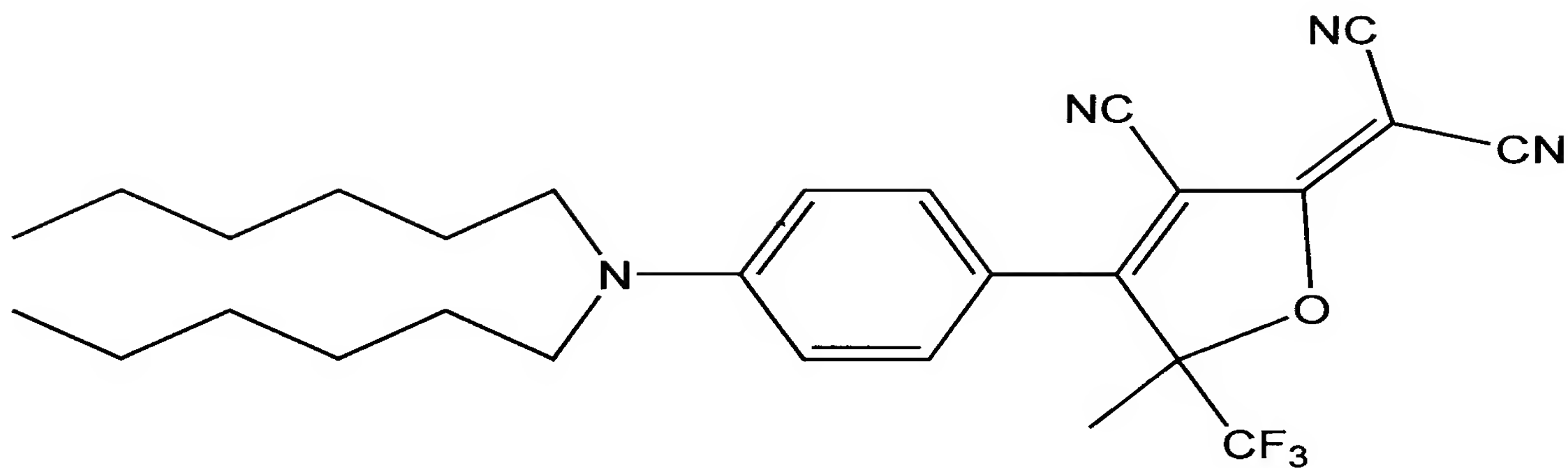


(13)

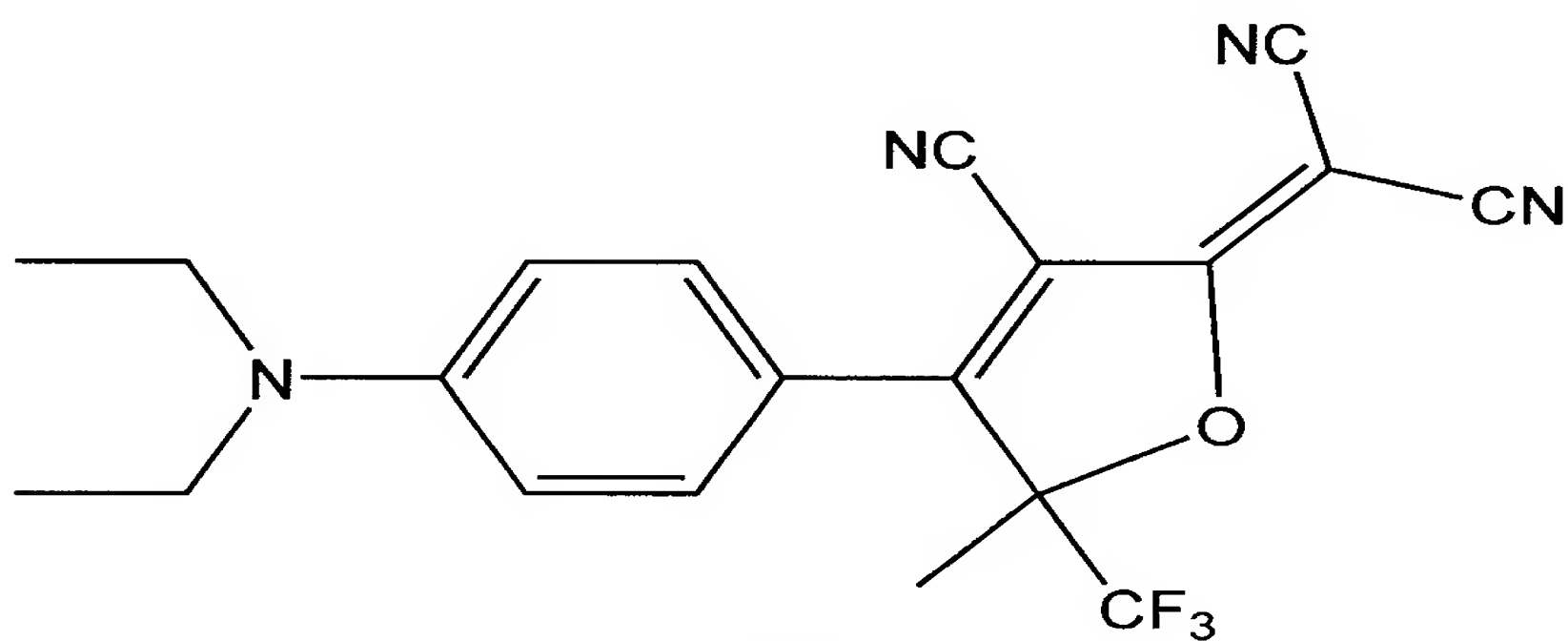


(14)

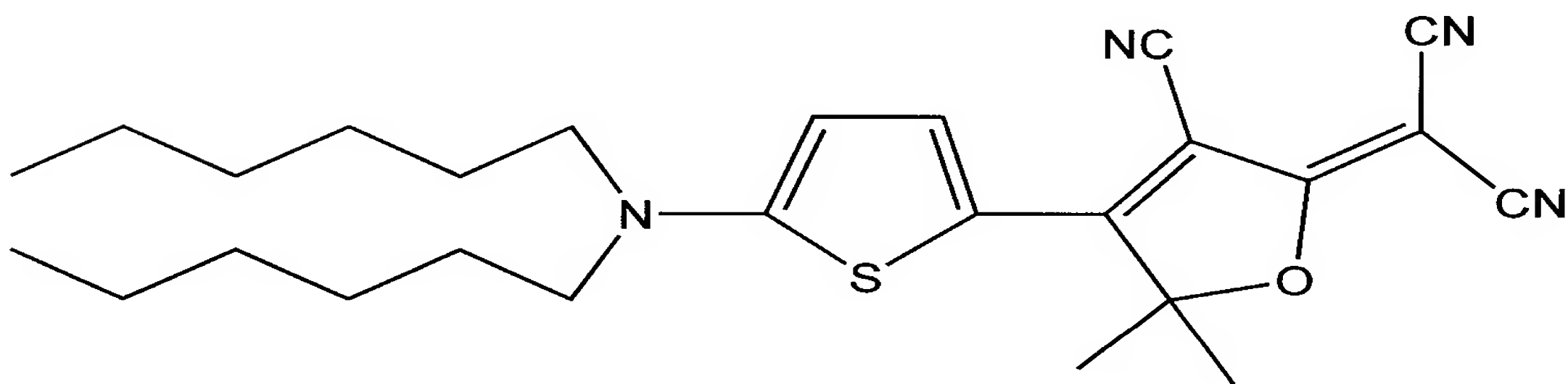
Fig. 4



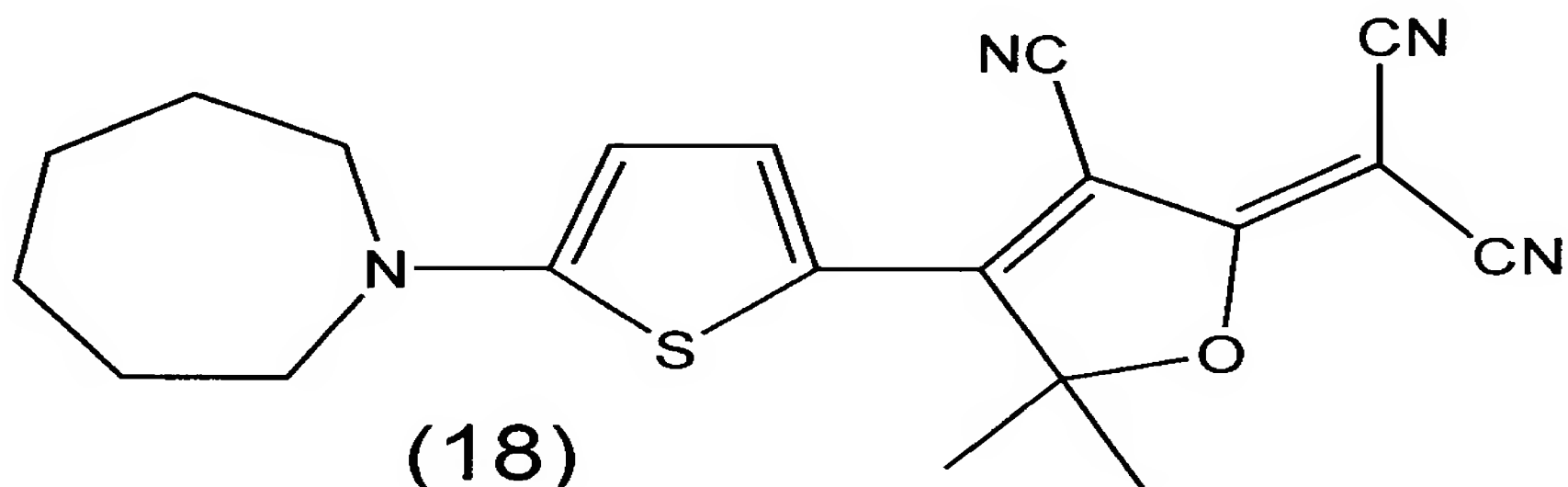
(15)



(16)

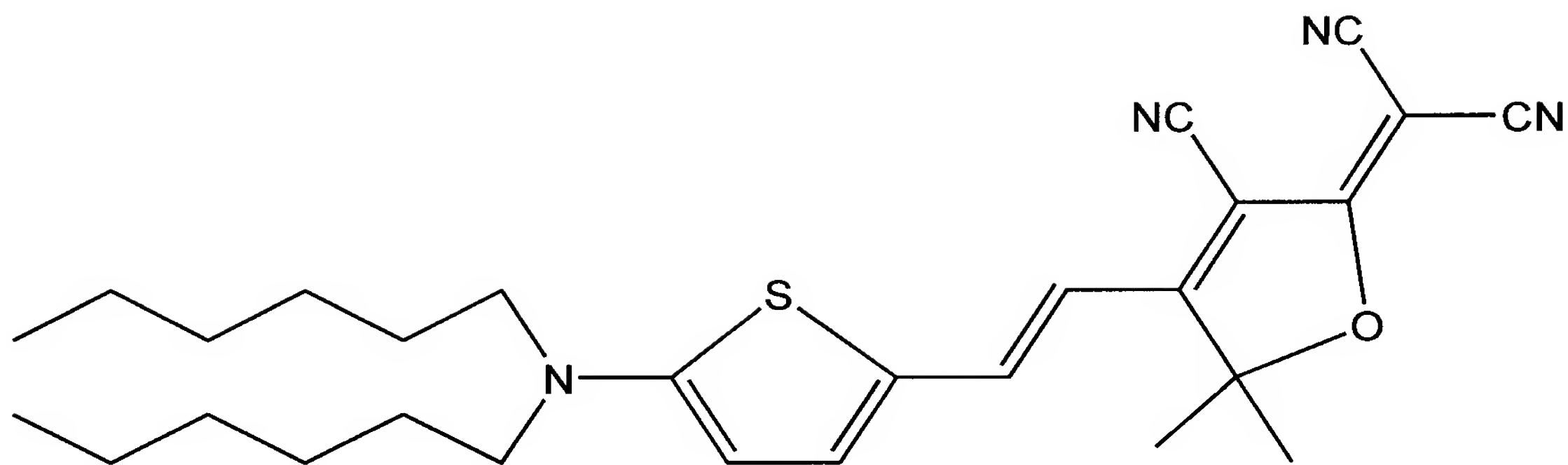


(17)

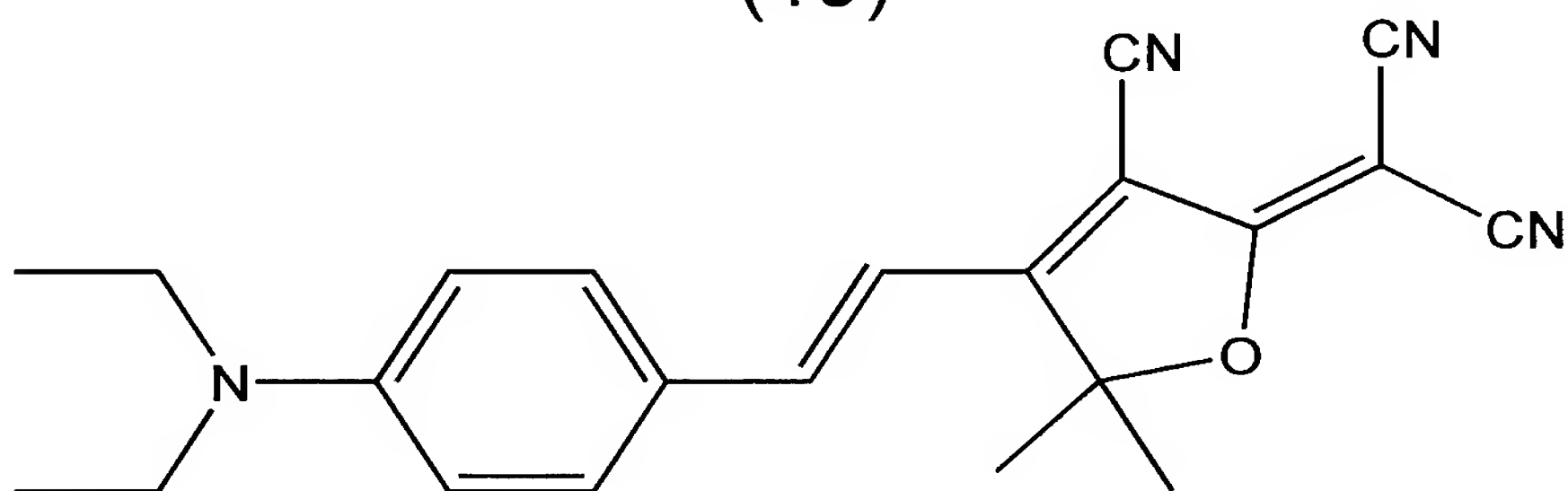


(18)

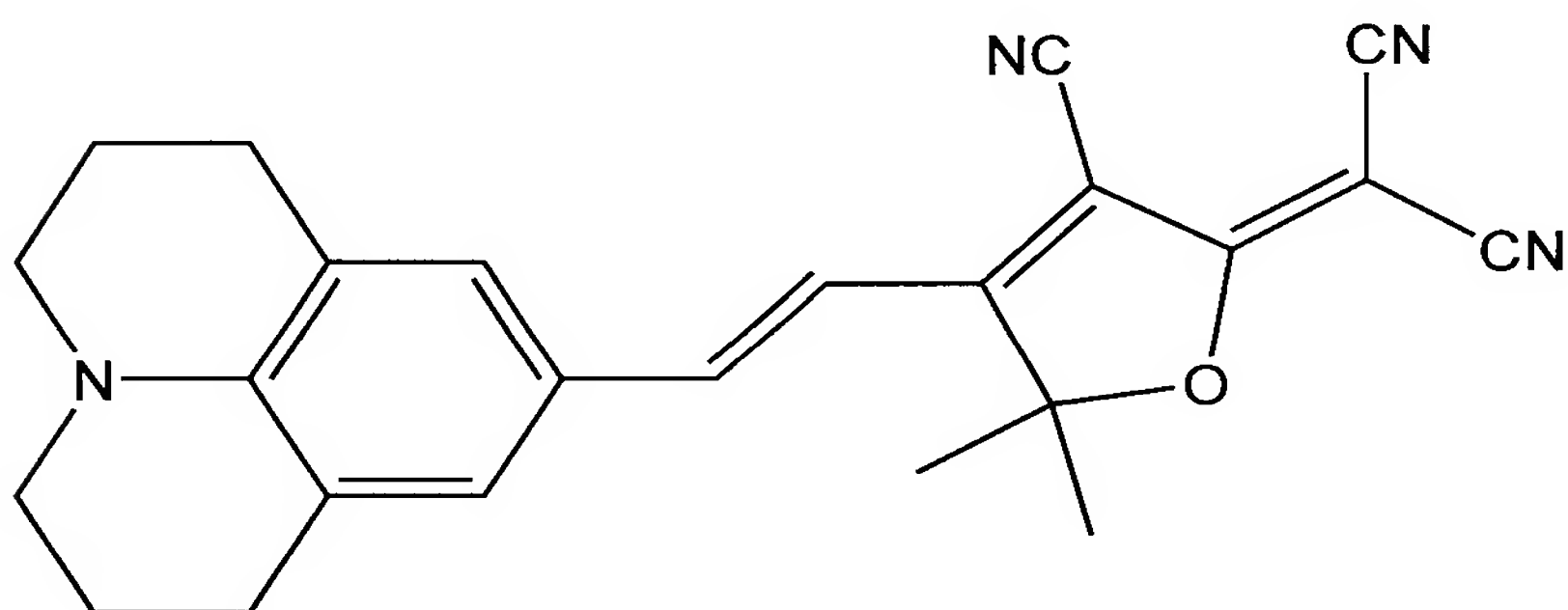
Fig. 5



(19)

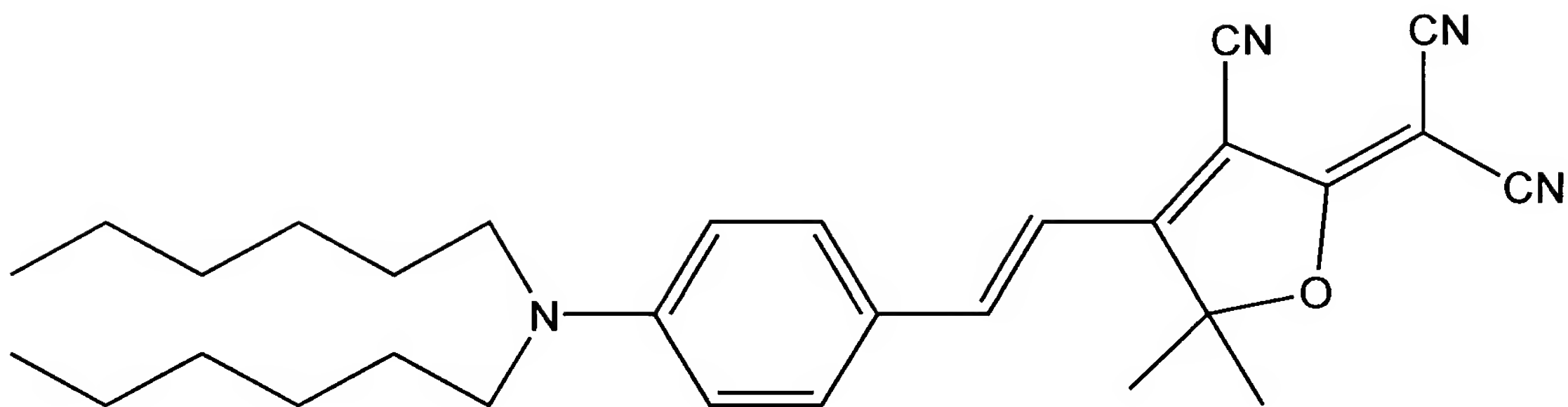


(20)

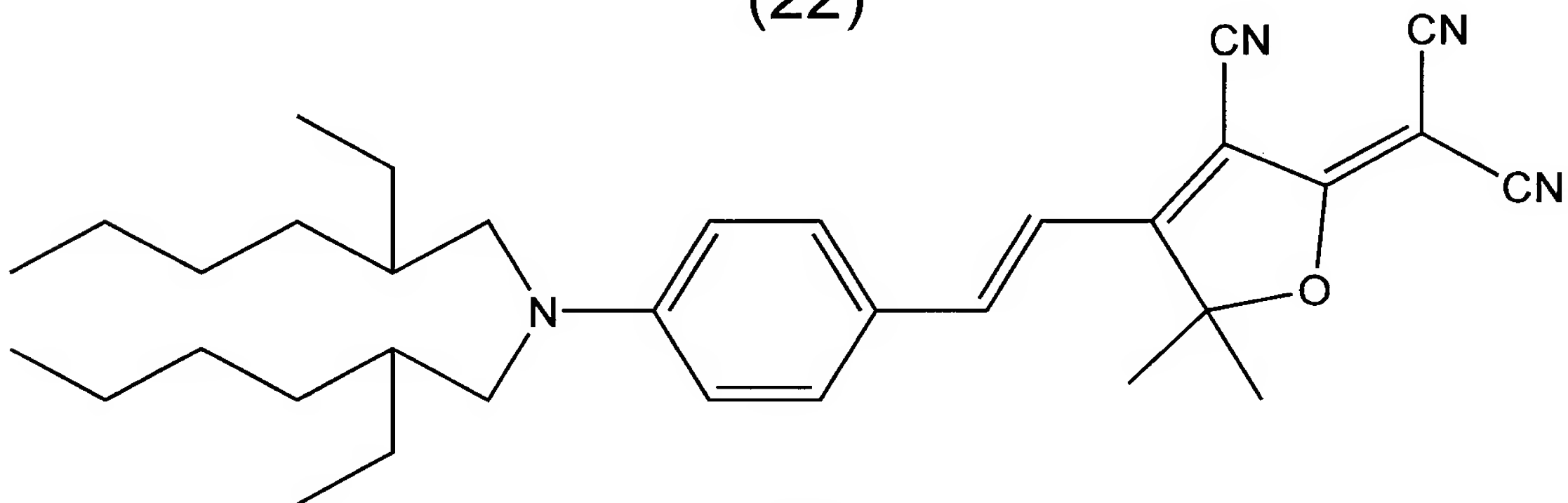


(21)

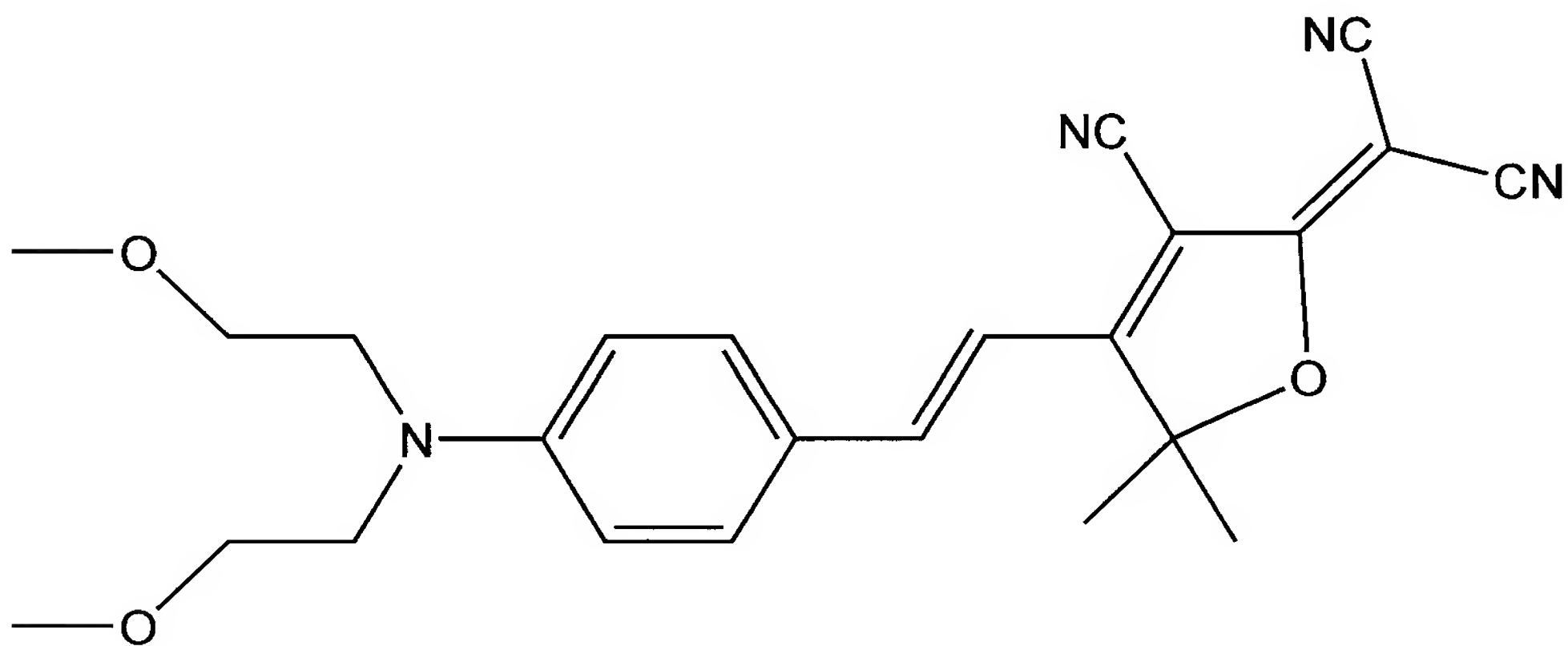
Fig. 6



(22)

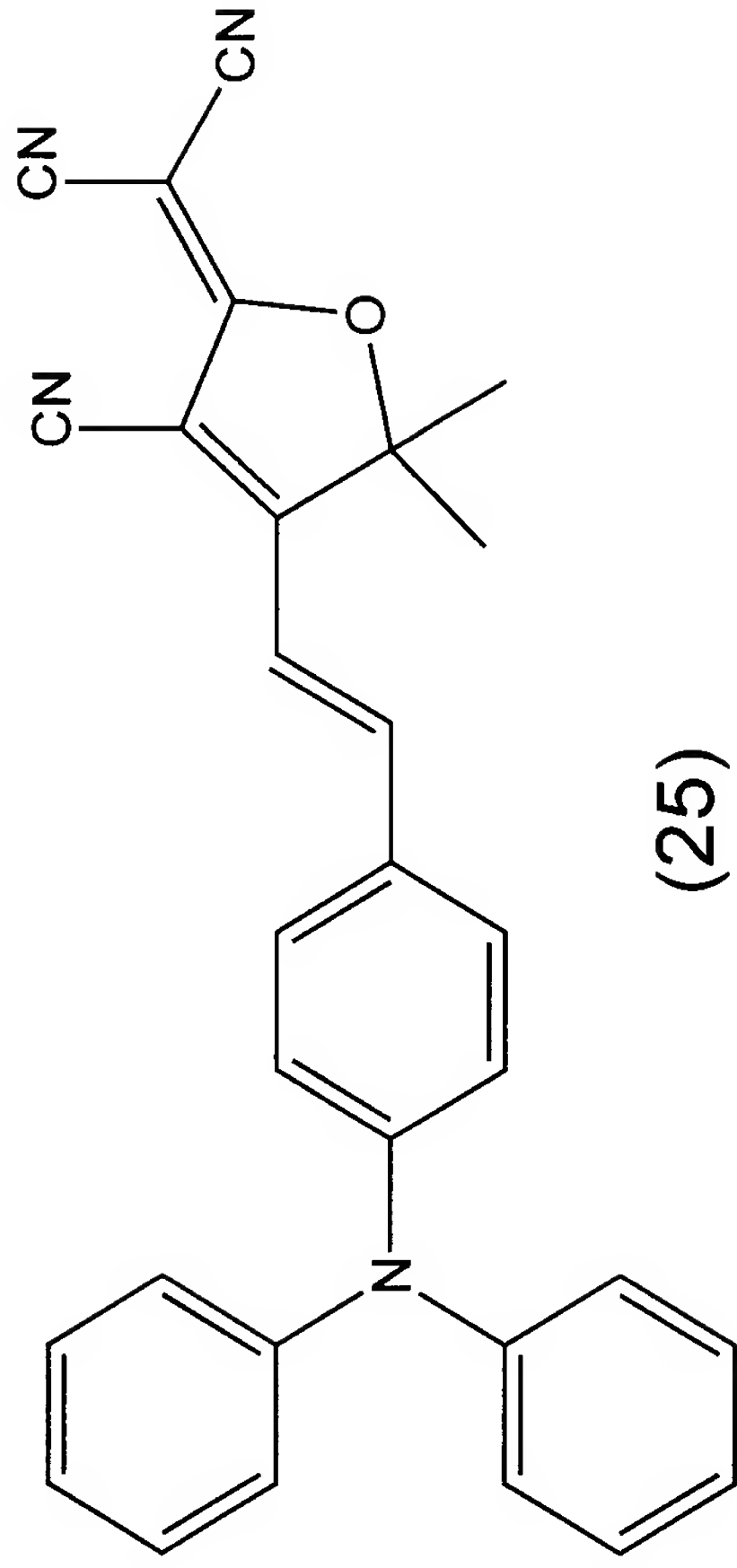


(23)

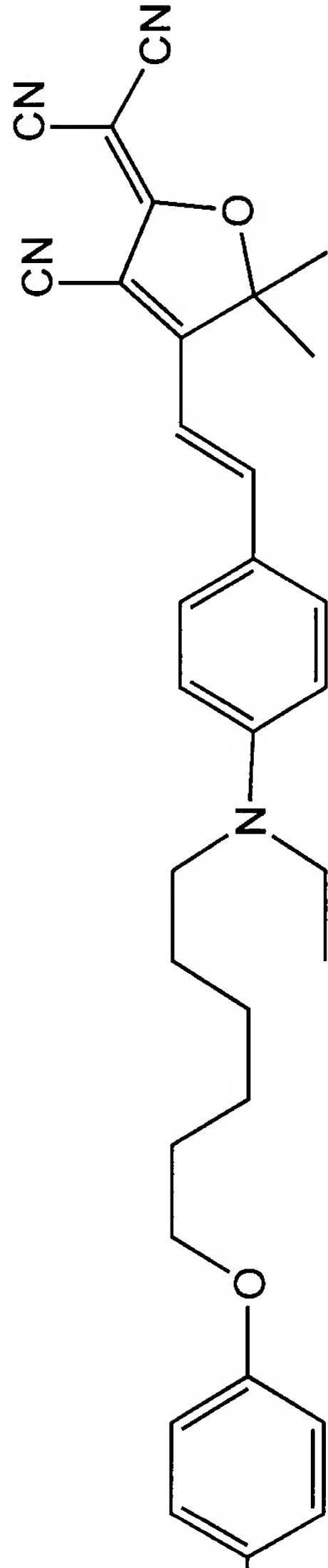


(24)

Fig. 7



(25)



(26)

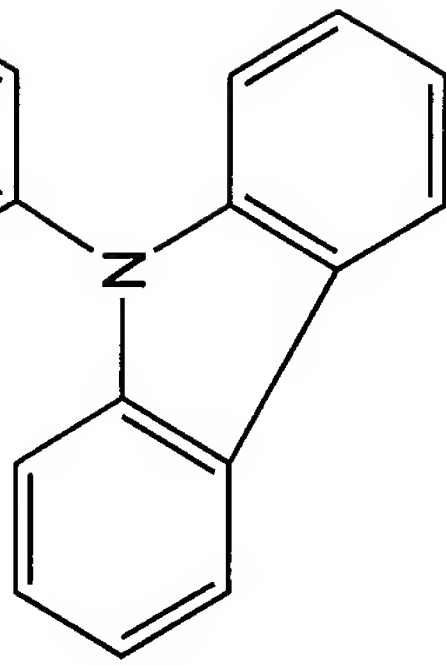
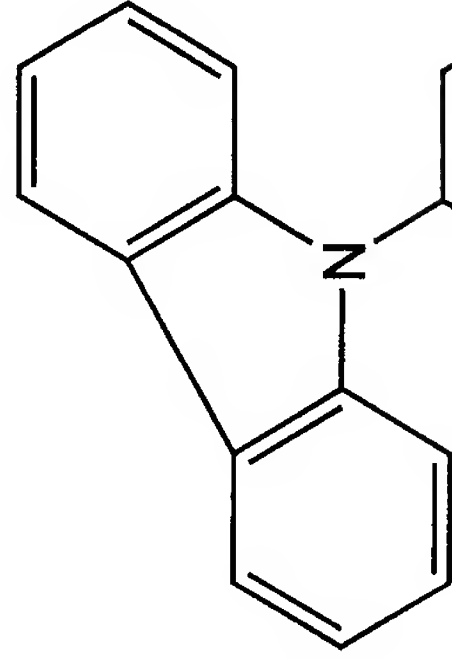
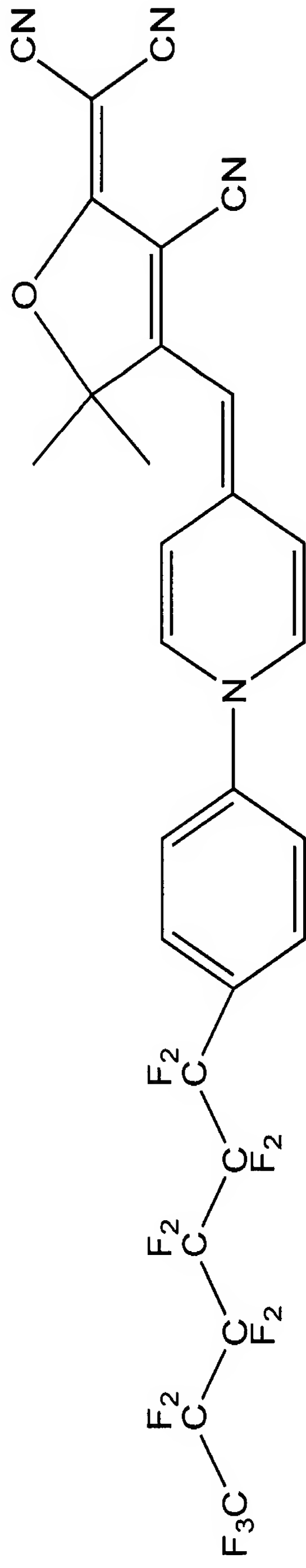
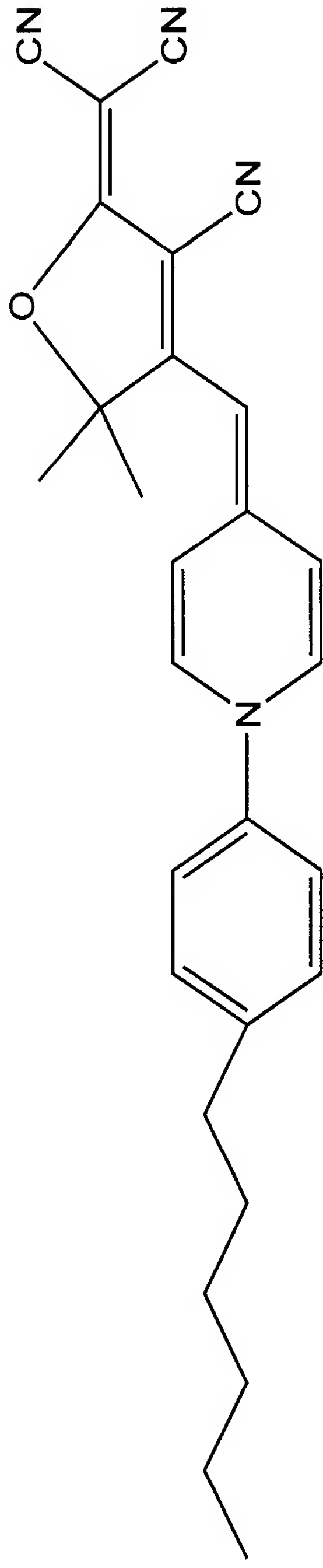


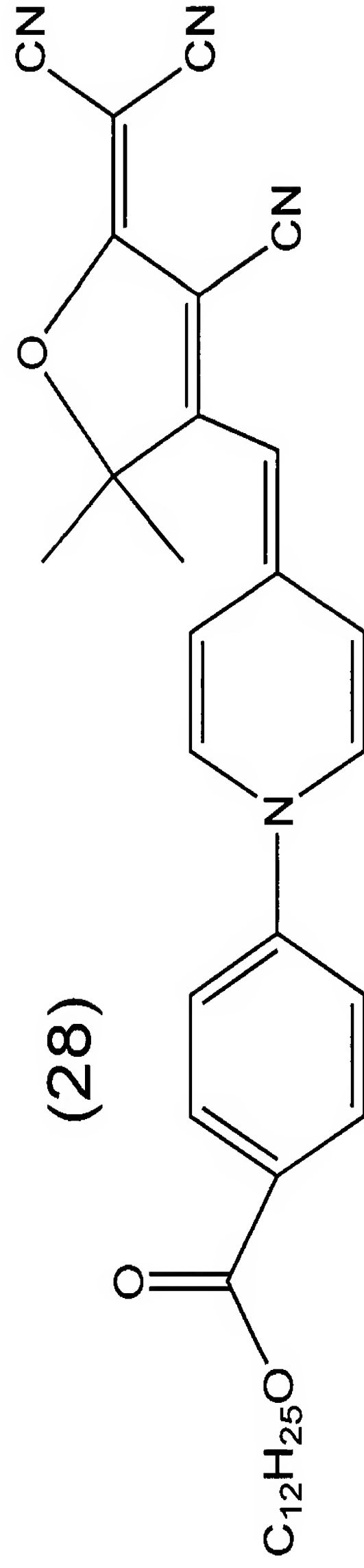
Fig. 8



(27)



(28)



(29)

Fig. 9

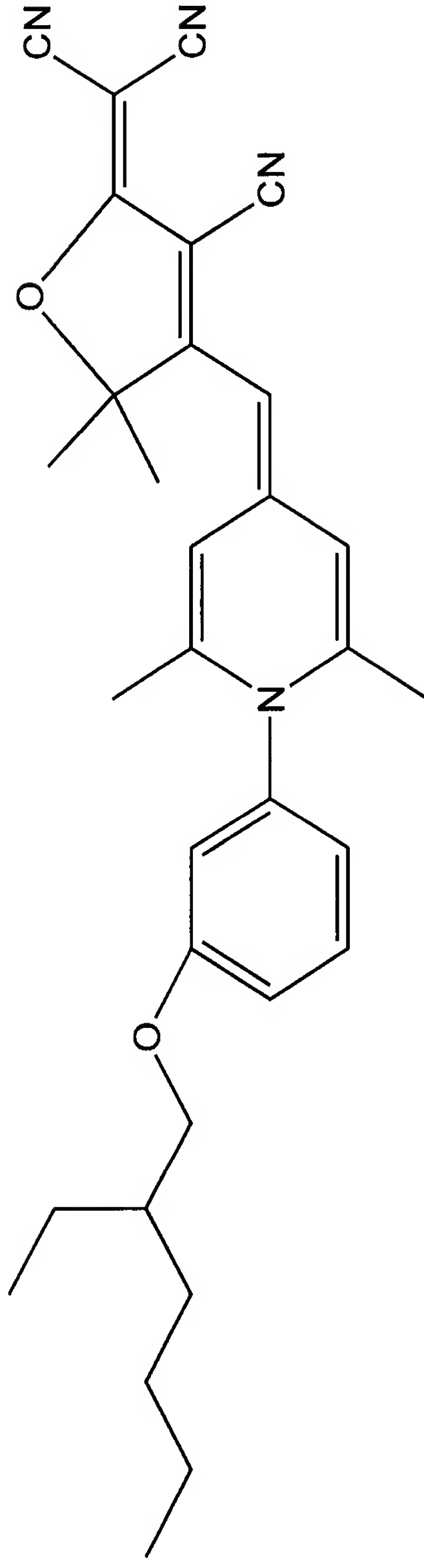
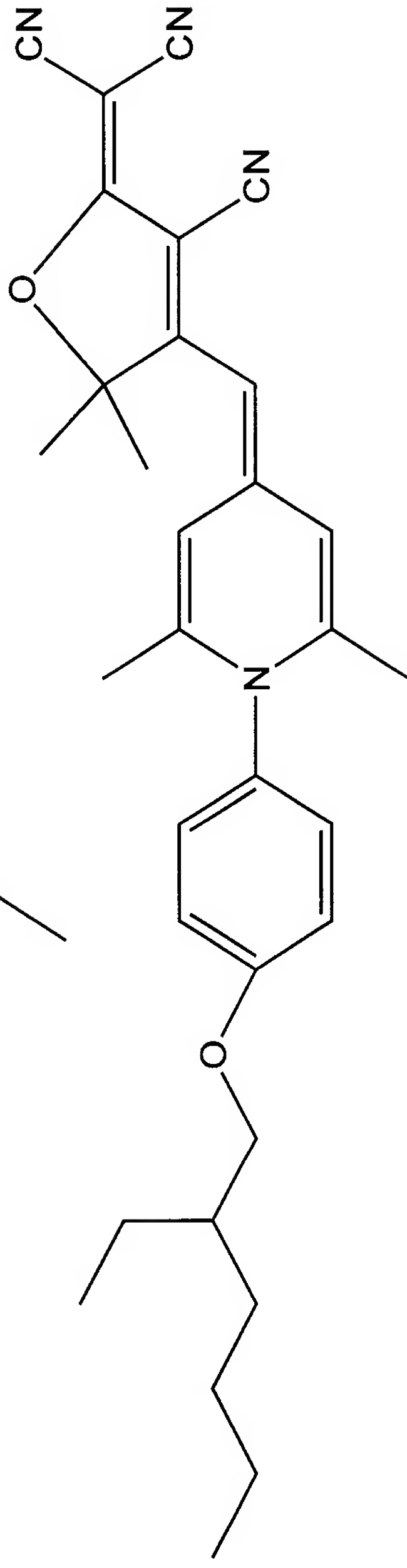
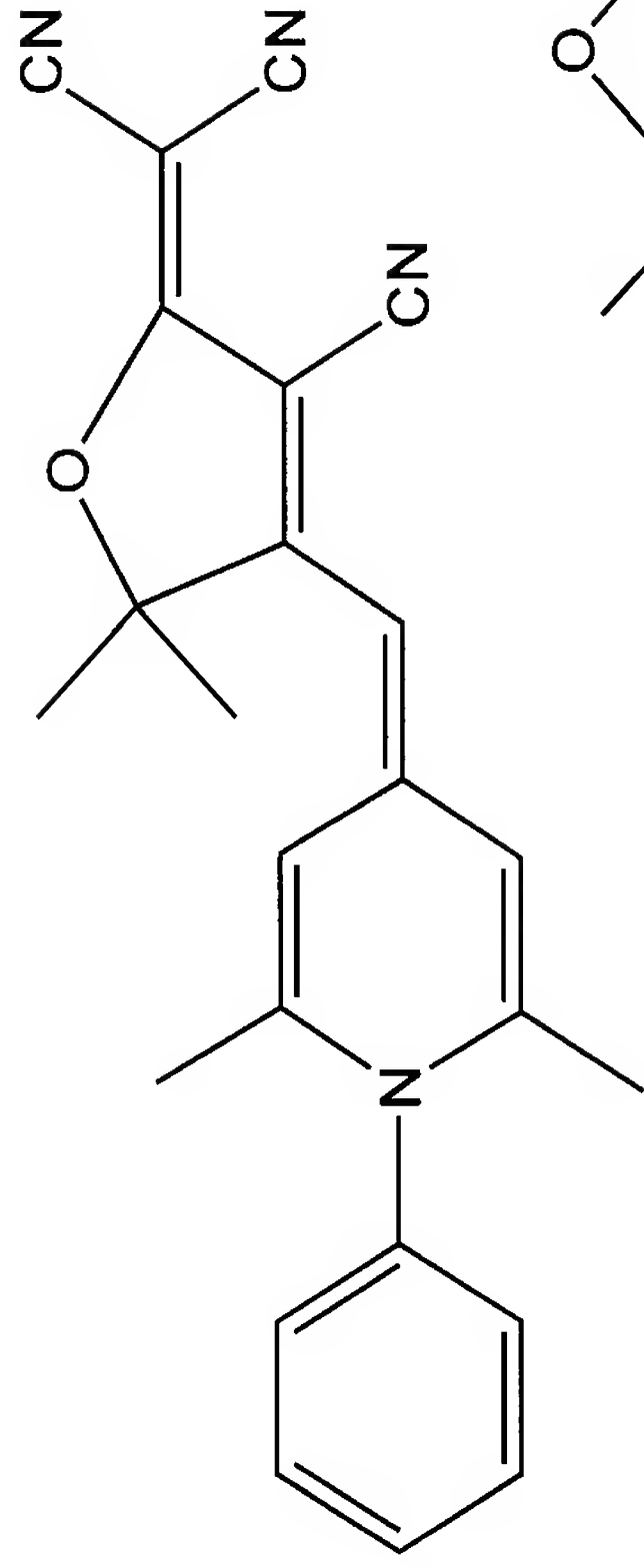
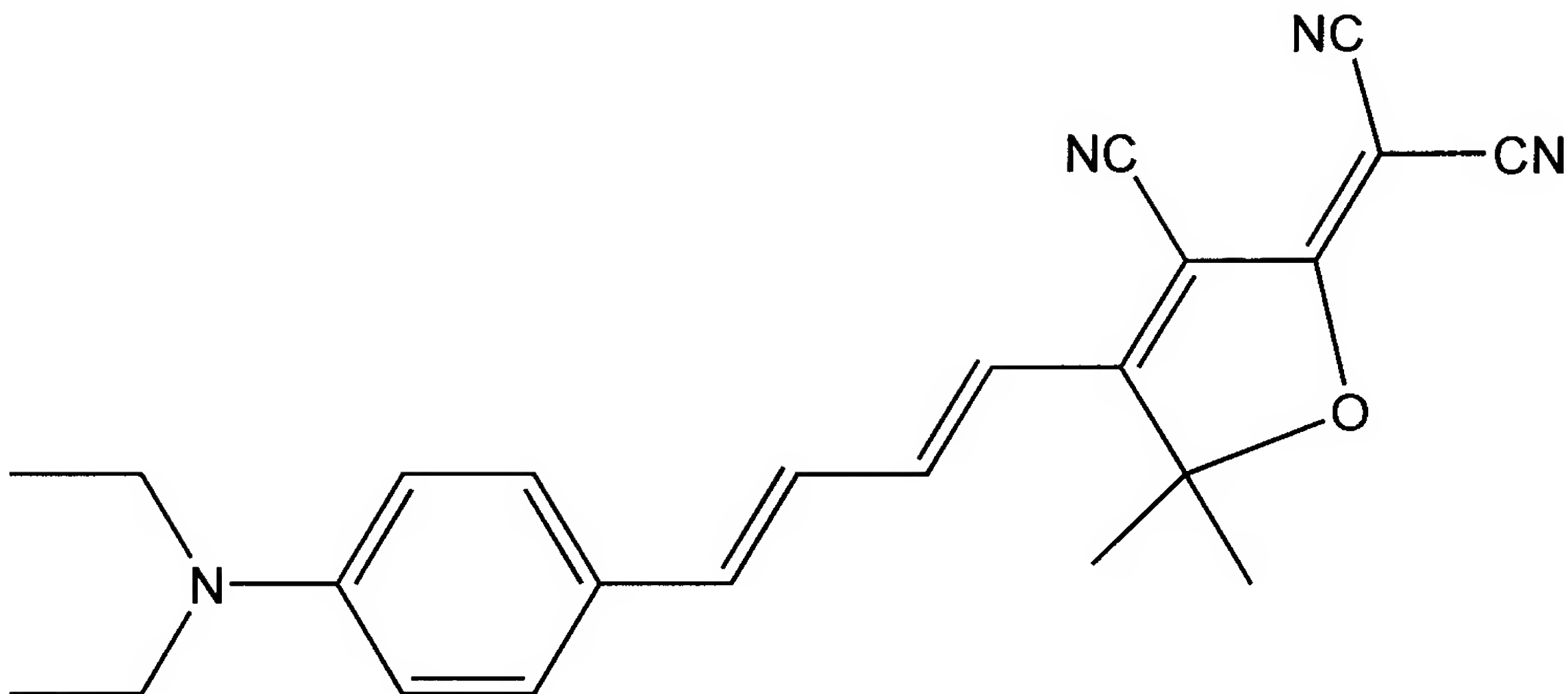
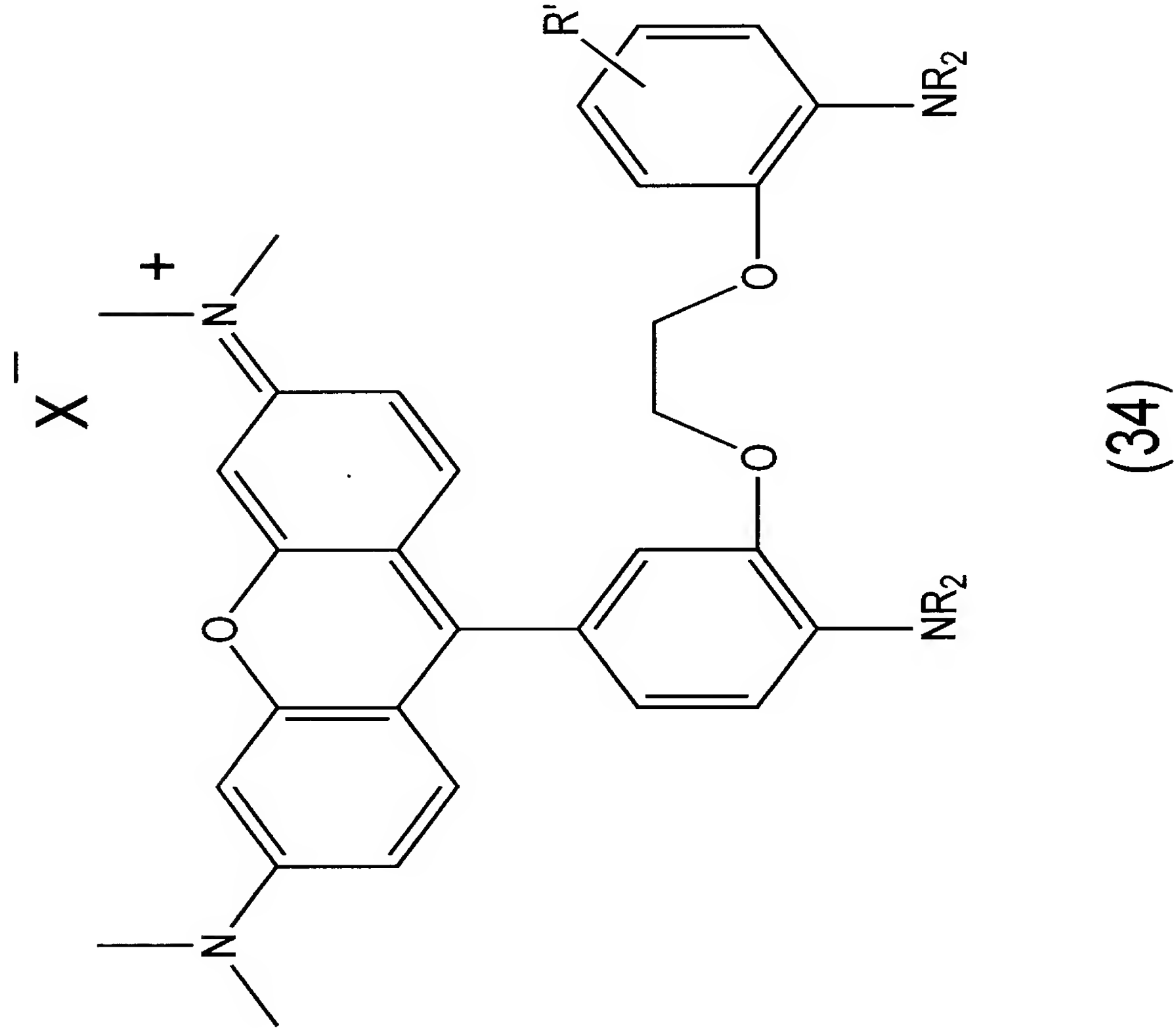


Fig. 10

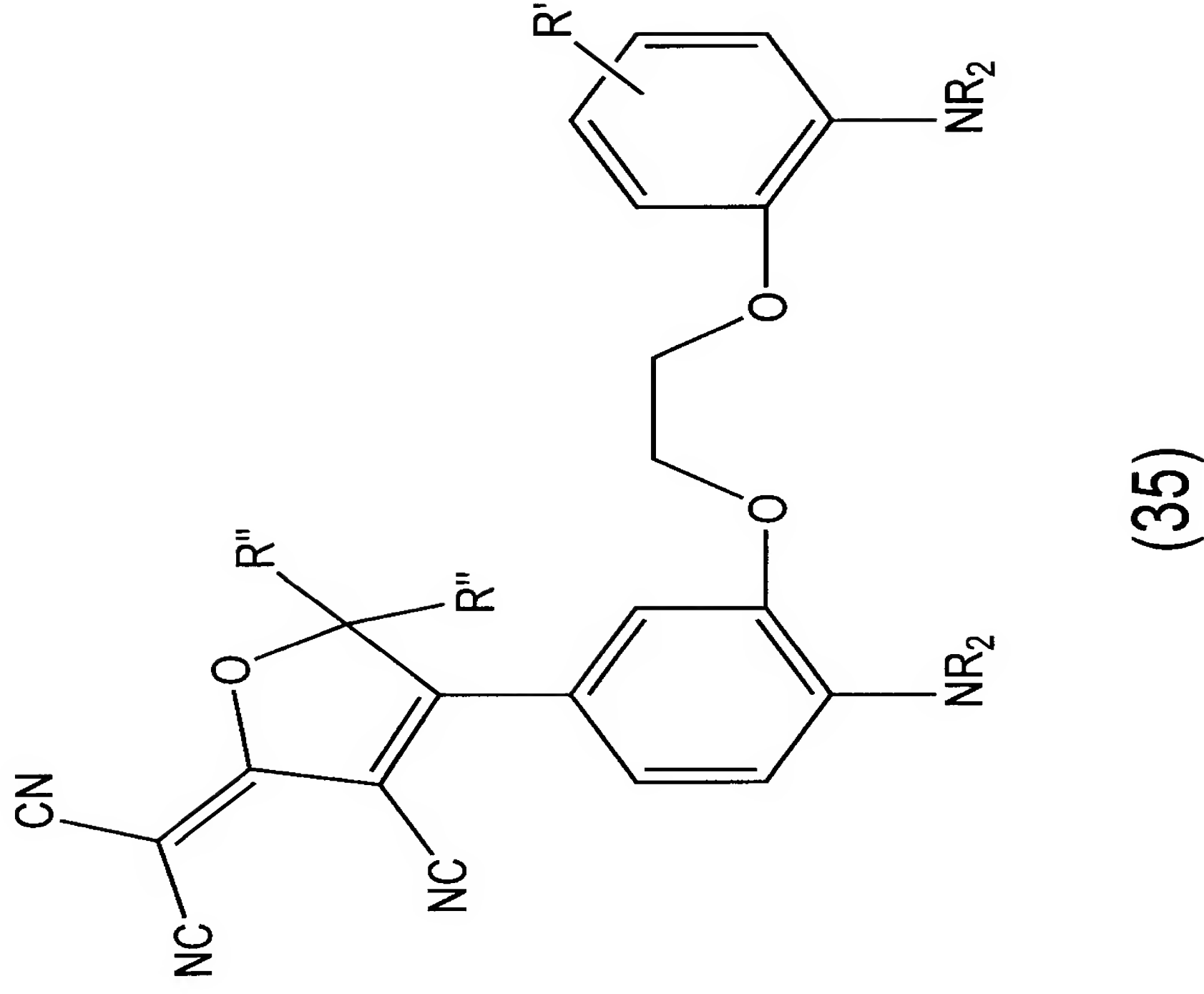


(33)

Fig. 11



(34)



(35)

Fig. 12

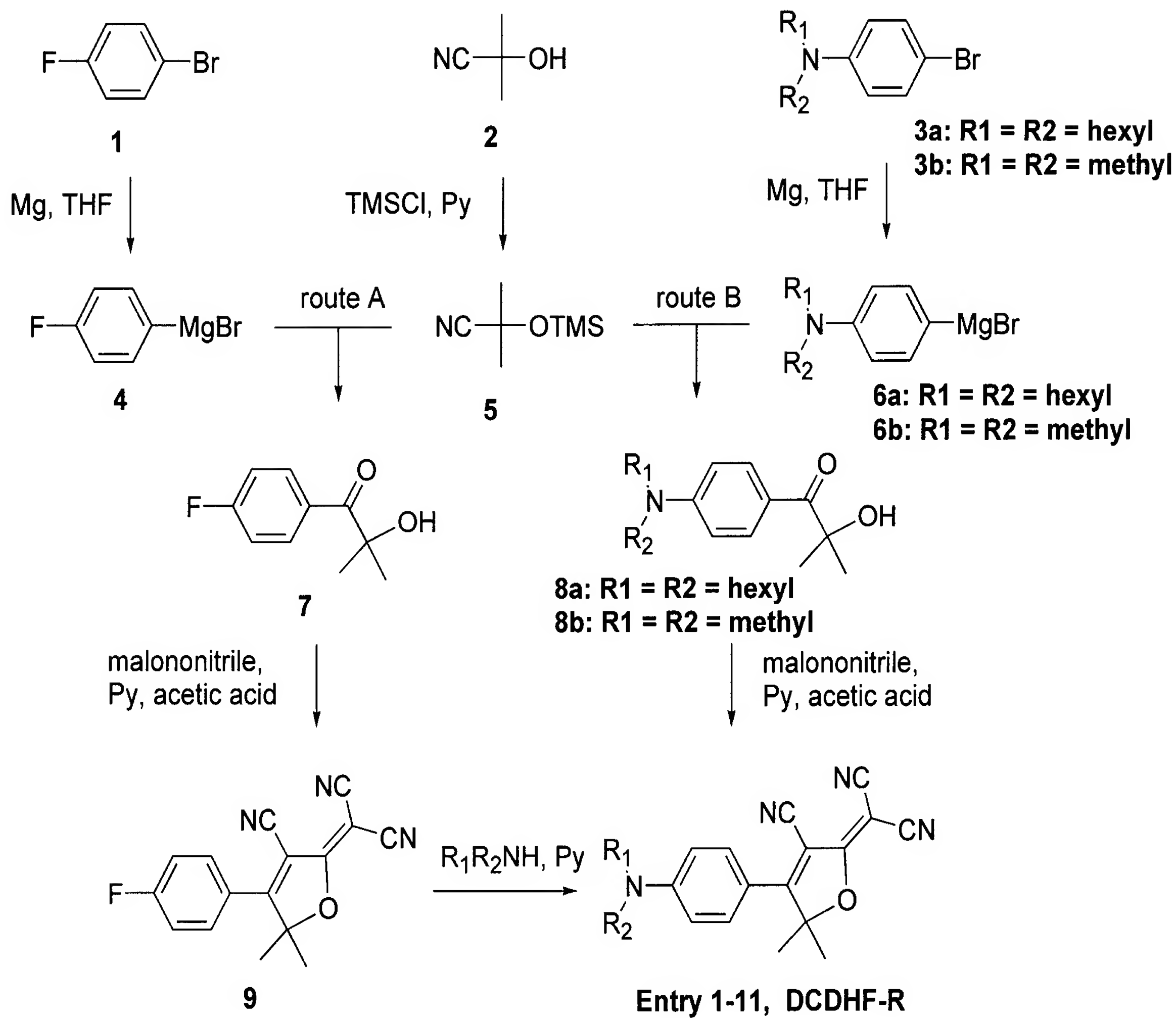


Fig. 13

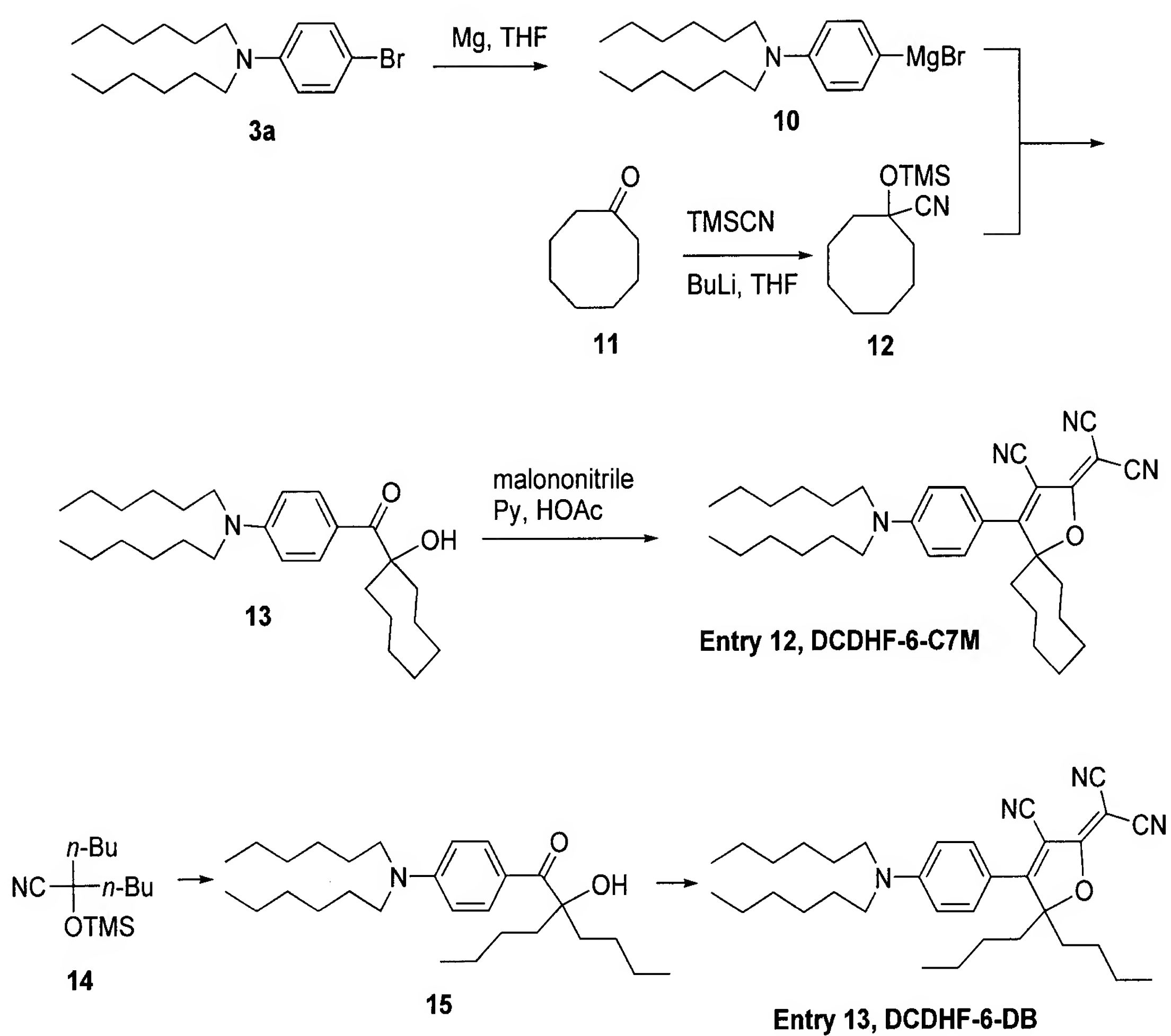
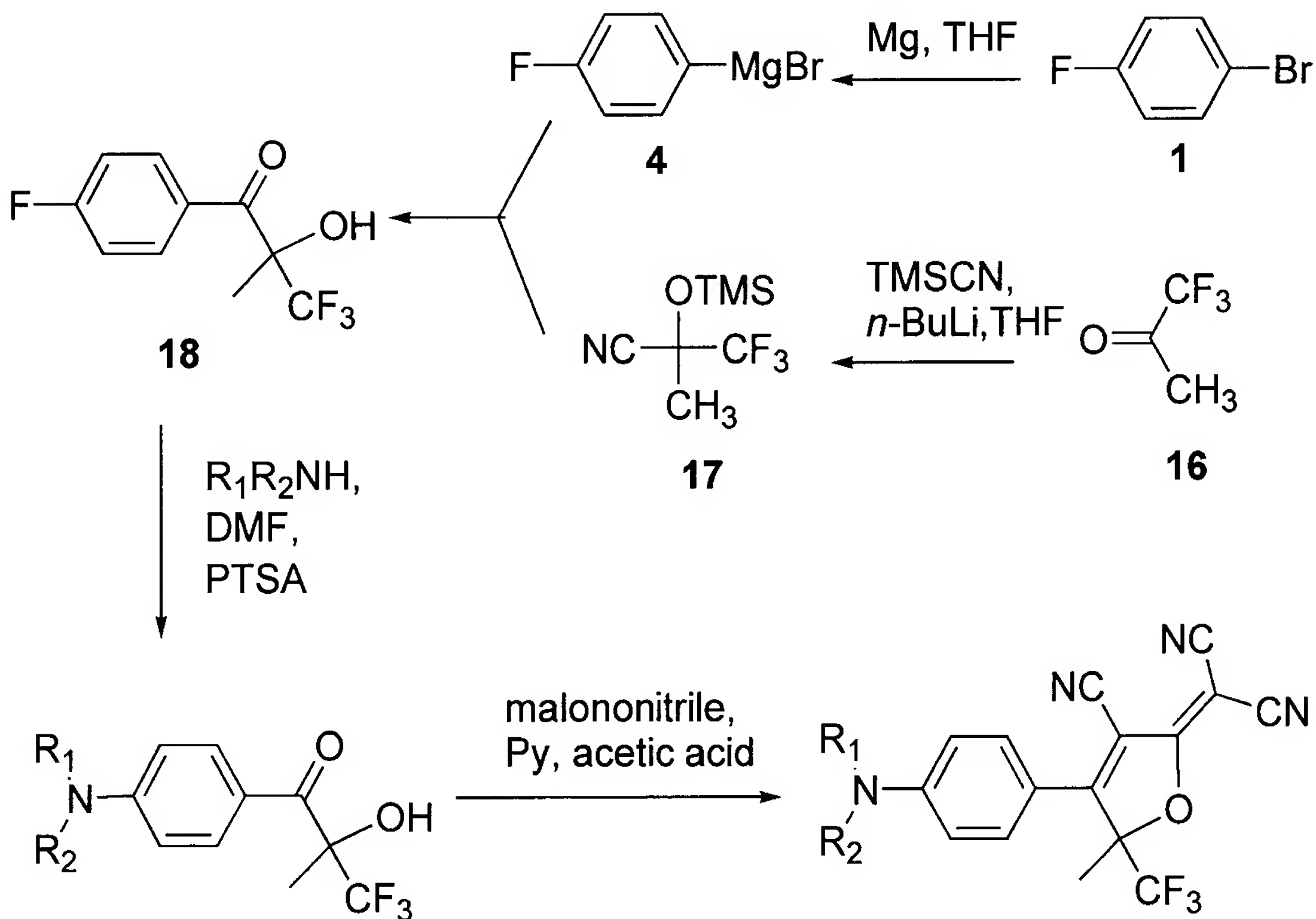


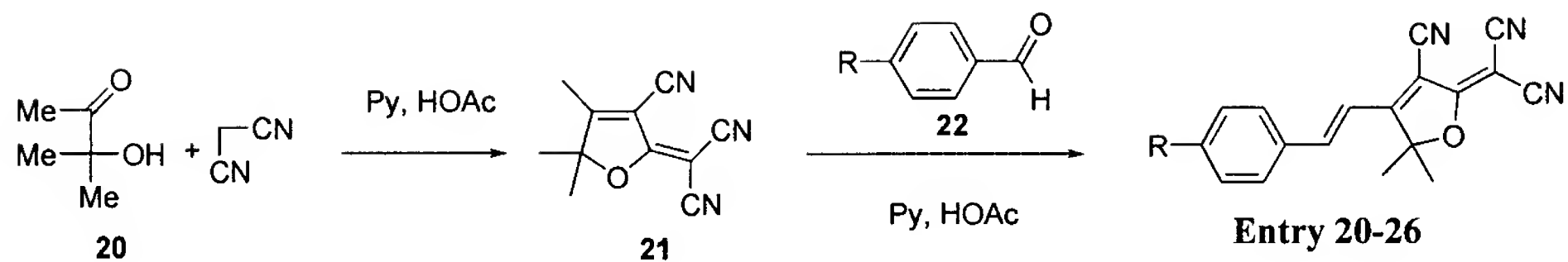
Fig. 14



19a: $\text{R}_1 = \text{R}_2 = \text{ethyl}$
19b: $\text{R}_1 = \text{R}_2 = \text{n-hexyl}$
19c: $\text{R}_1 = \text{R}_2 = \text{hexamethylene}$

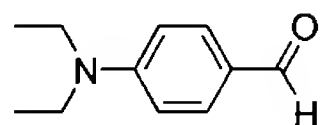
Entry 14: DCDHF-C6M-CF₃
Entry 15: DCDHF-6-CF₃
Entry 16: DCDHF-2-CF₃

Fig. 15

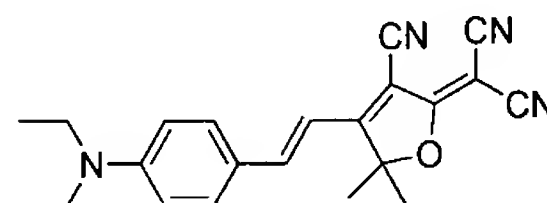


Benzaldehyde used

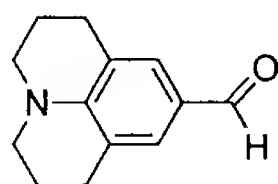
Structures of the products



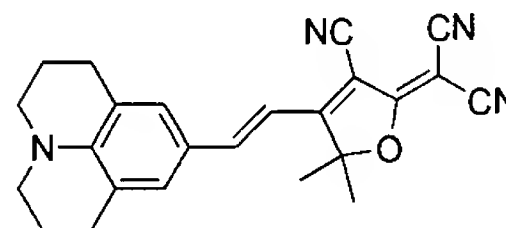
22a



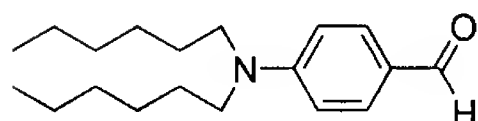
DCDHF-2-V



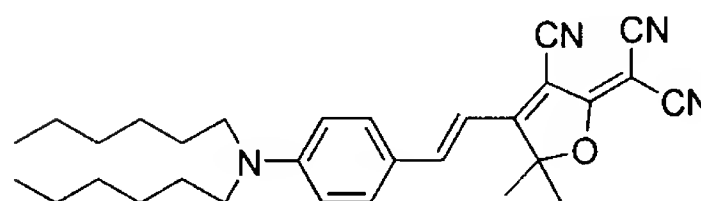
22b



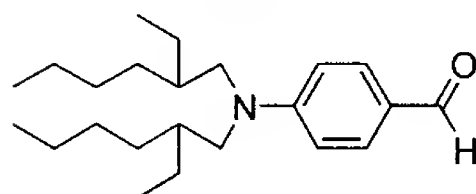
DCDHF-J-V



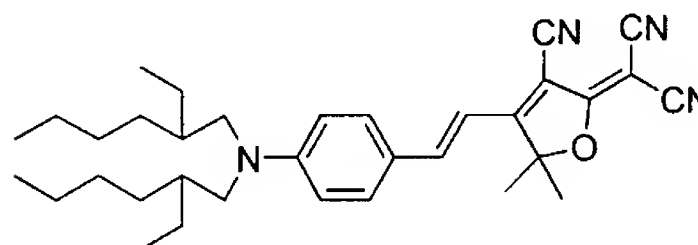
22c



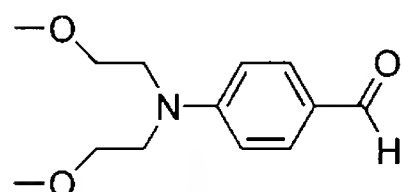
DCDHF-6-V



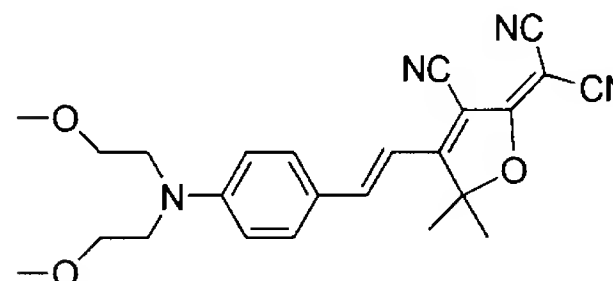
22d



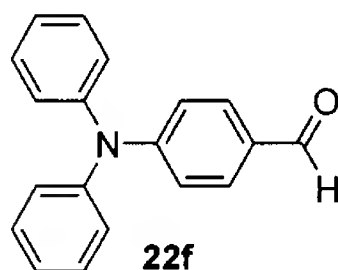
DCDHF-2EH-V



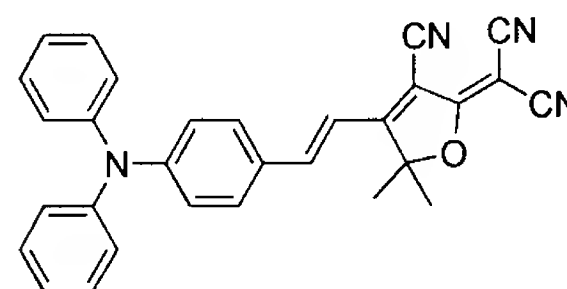
22e



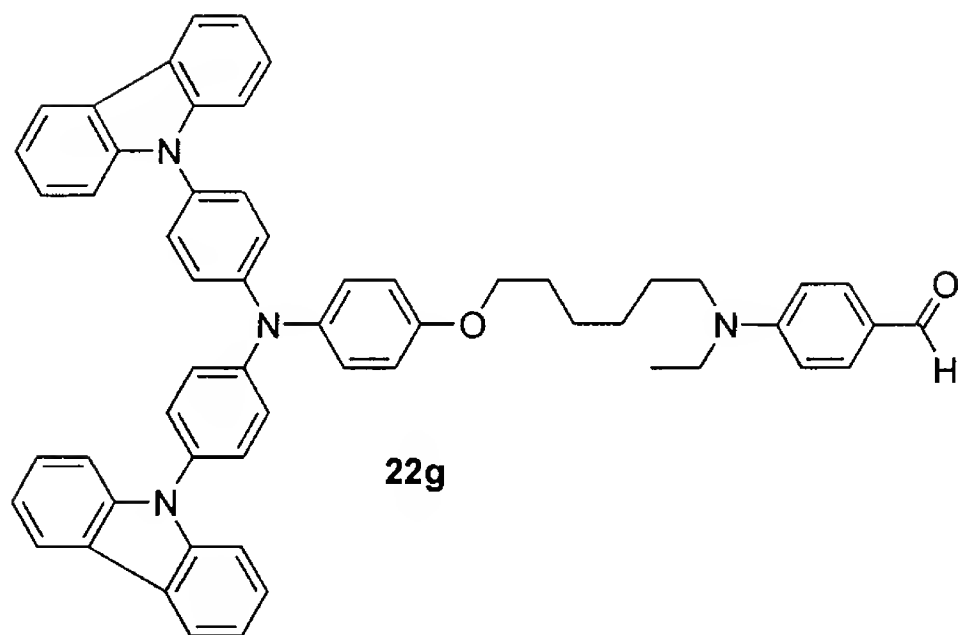
DCDHF-MOE-V



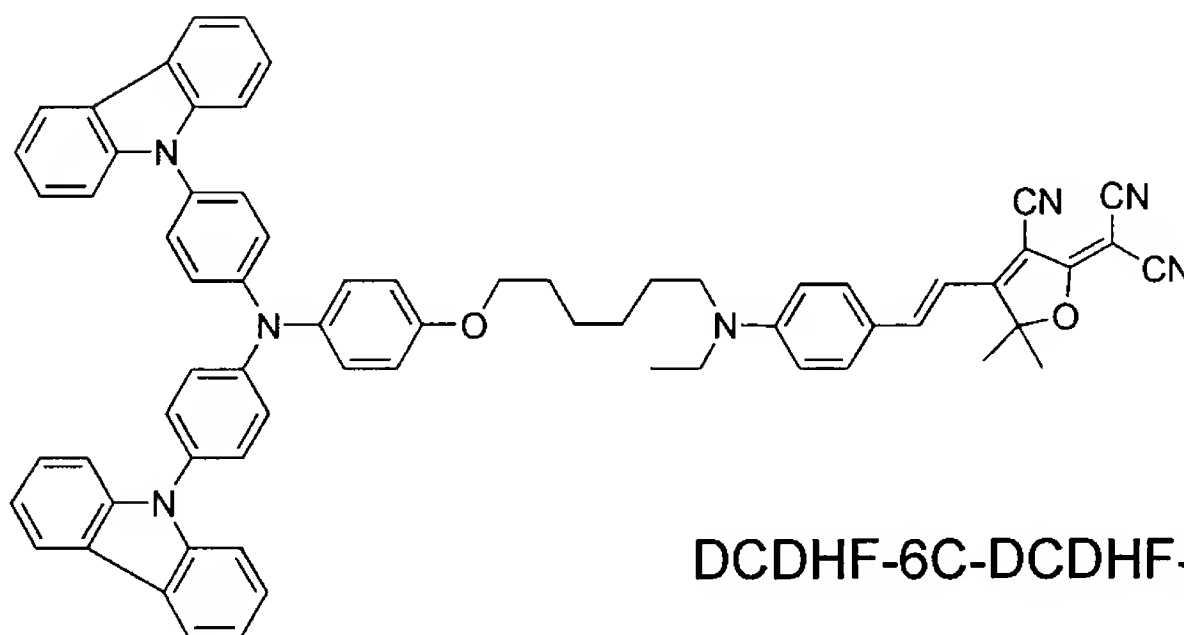
22f



DCDHF-DPH-V

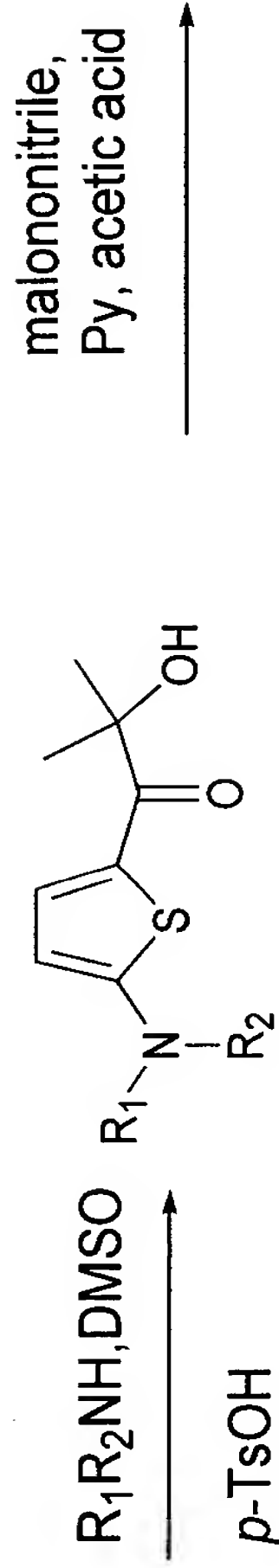
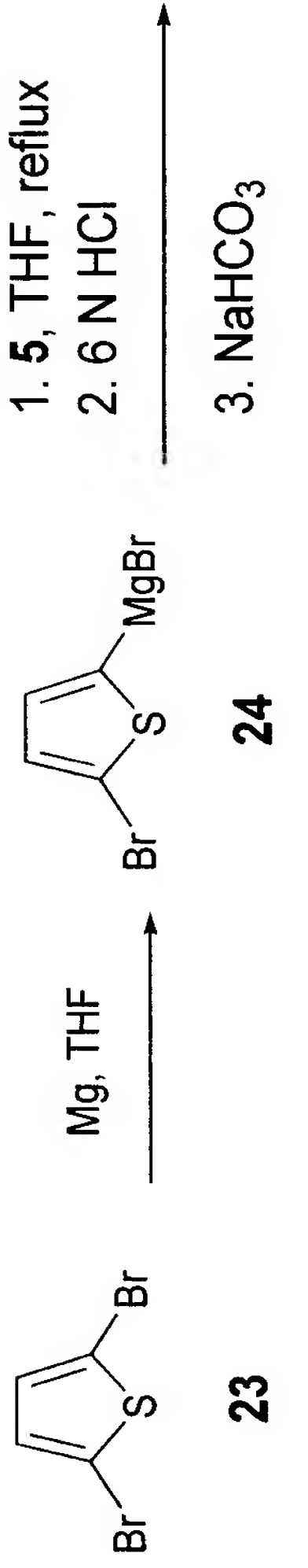


22g



DCDHF-6C-DCDHF-V

Fig. 16

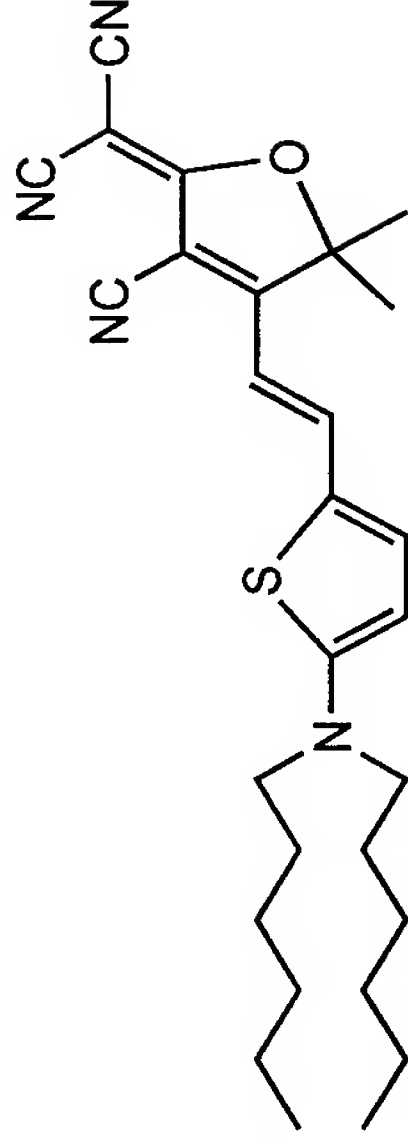
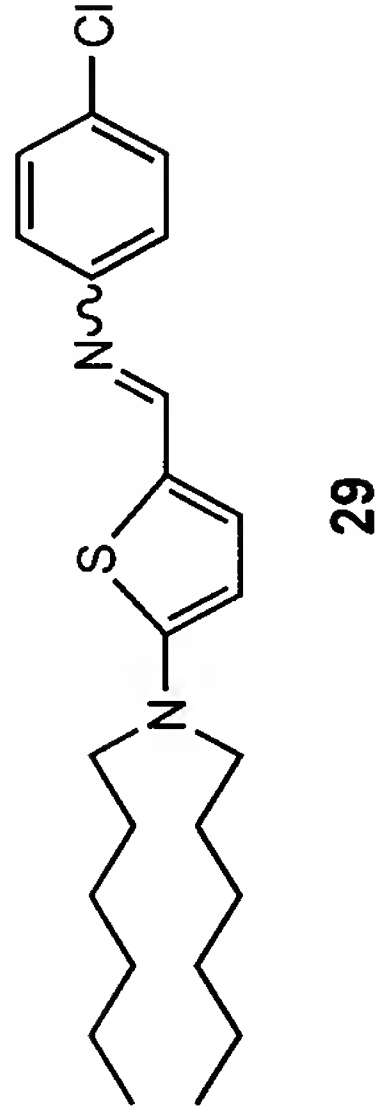
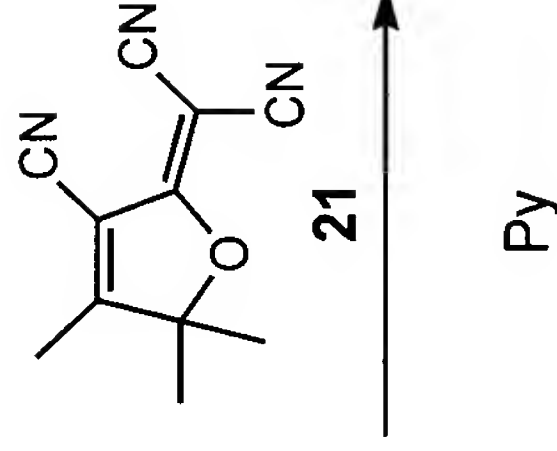
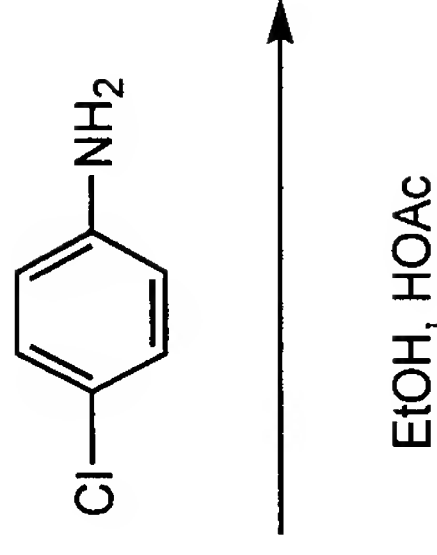
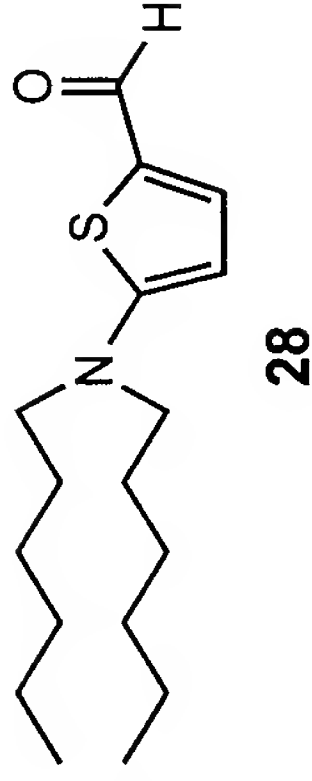
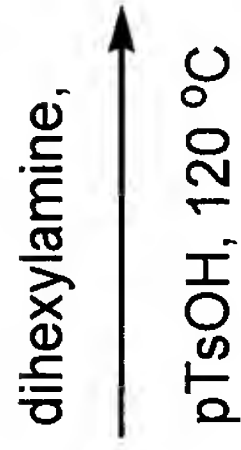
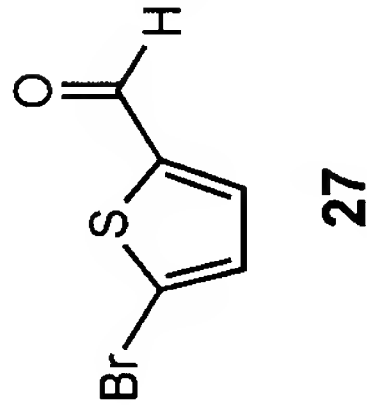


26a: $\text{R}_1 = \text{R}_2 = n\text{-hexyl}$

26b: $\text{R}_1 = \text{R}_2 = \text{hexamethylene}$

Entry 17, TH-DCDHF-6
Entry 18, TH-DCDHF-C6M

Fig. 17



Entry 19. TH-DCDHF-6-V

Fig. 18

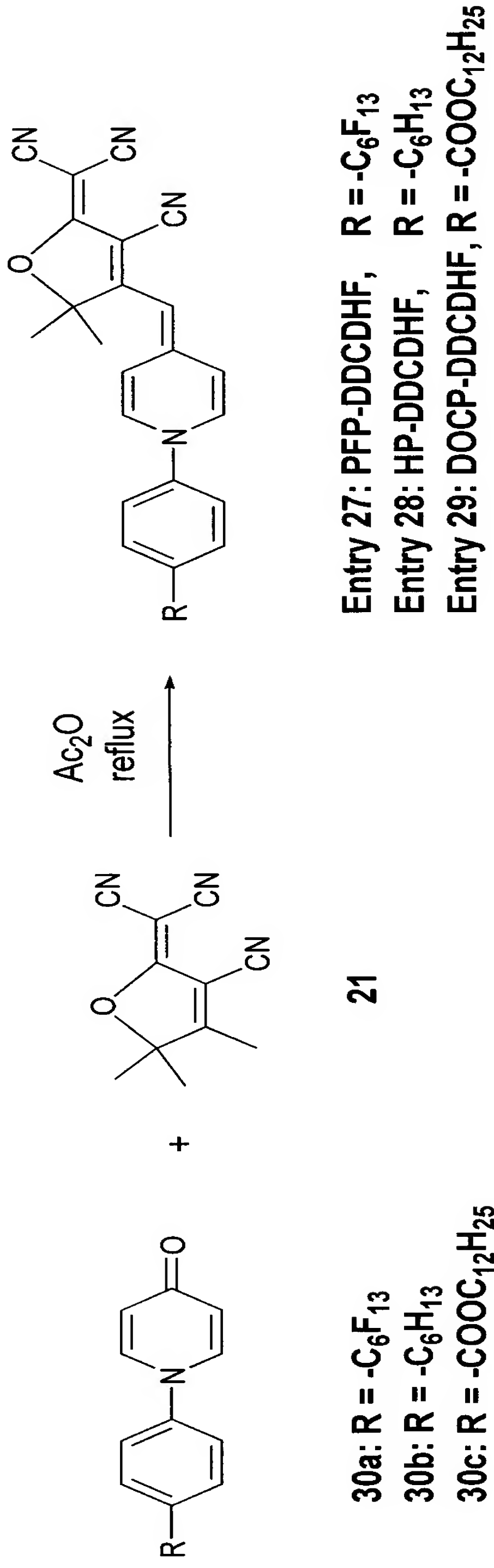


Fig. 19

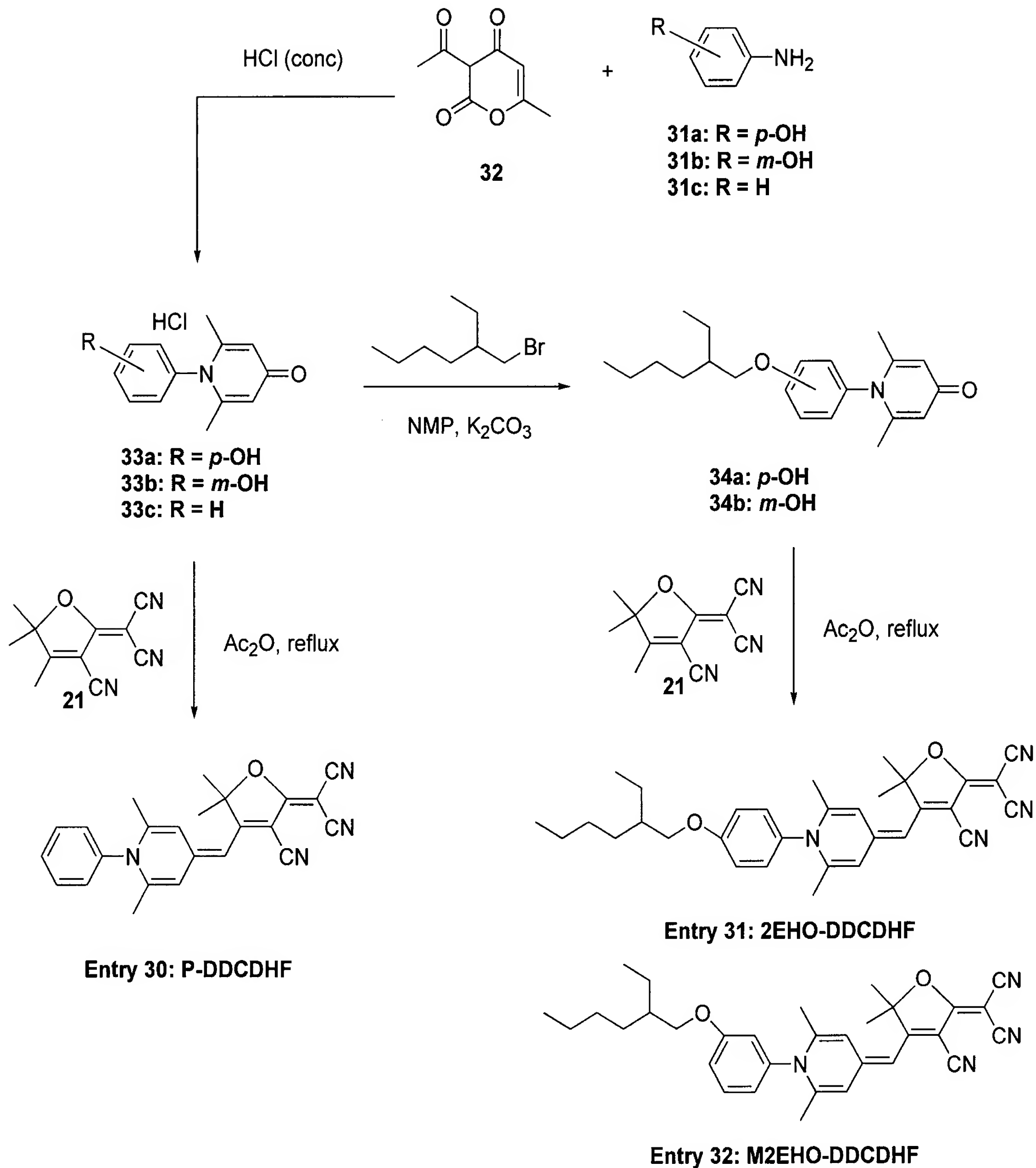
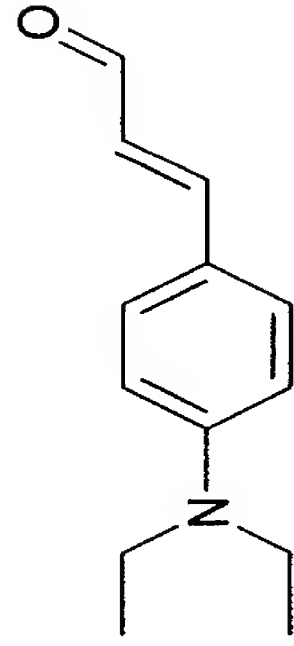
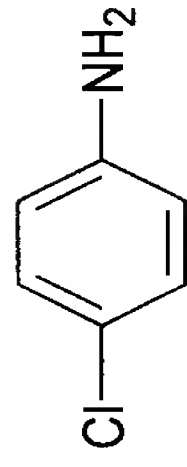


Fig. 20

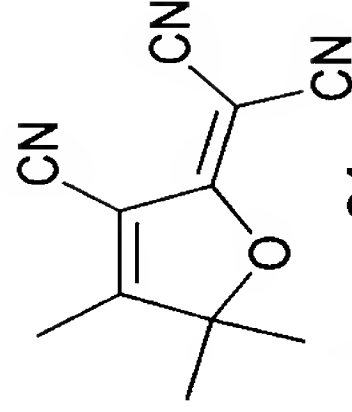


35

+

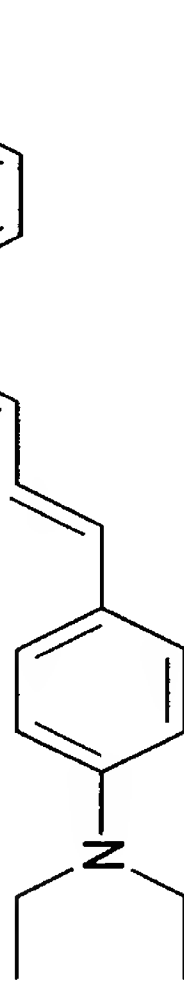


Acetic acid, ethanol

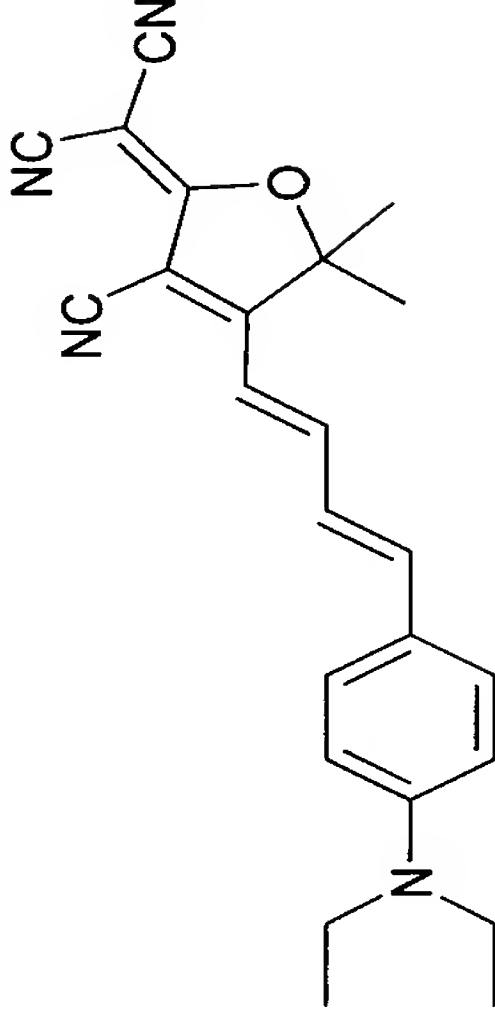


21

Pyridine



36



Entry 33: DCDHF-2-2V

Fig. 21

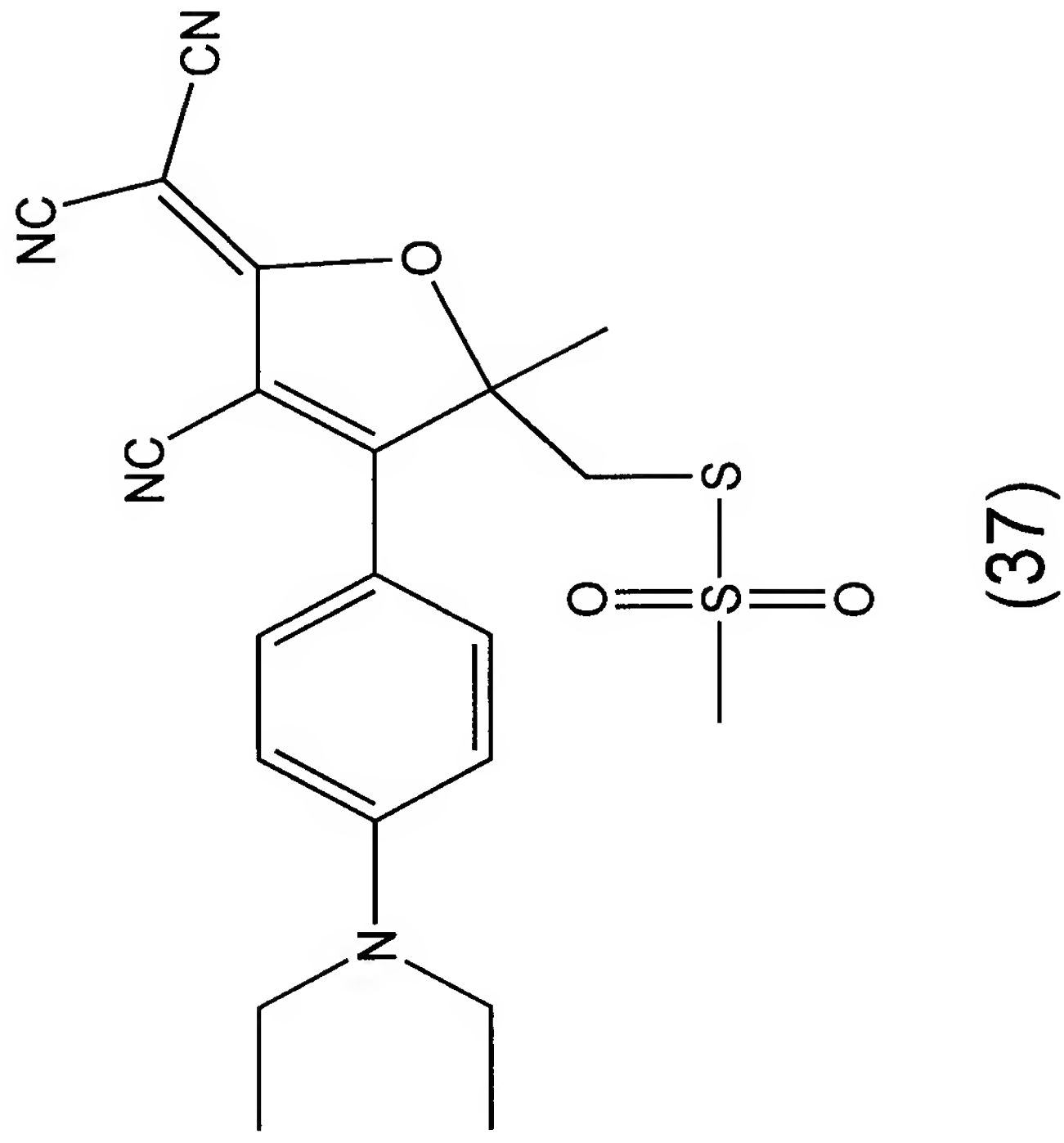
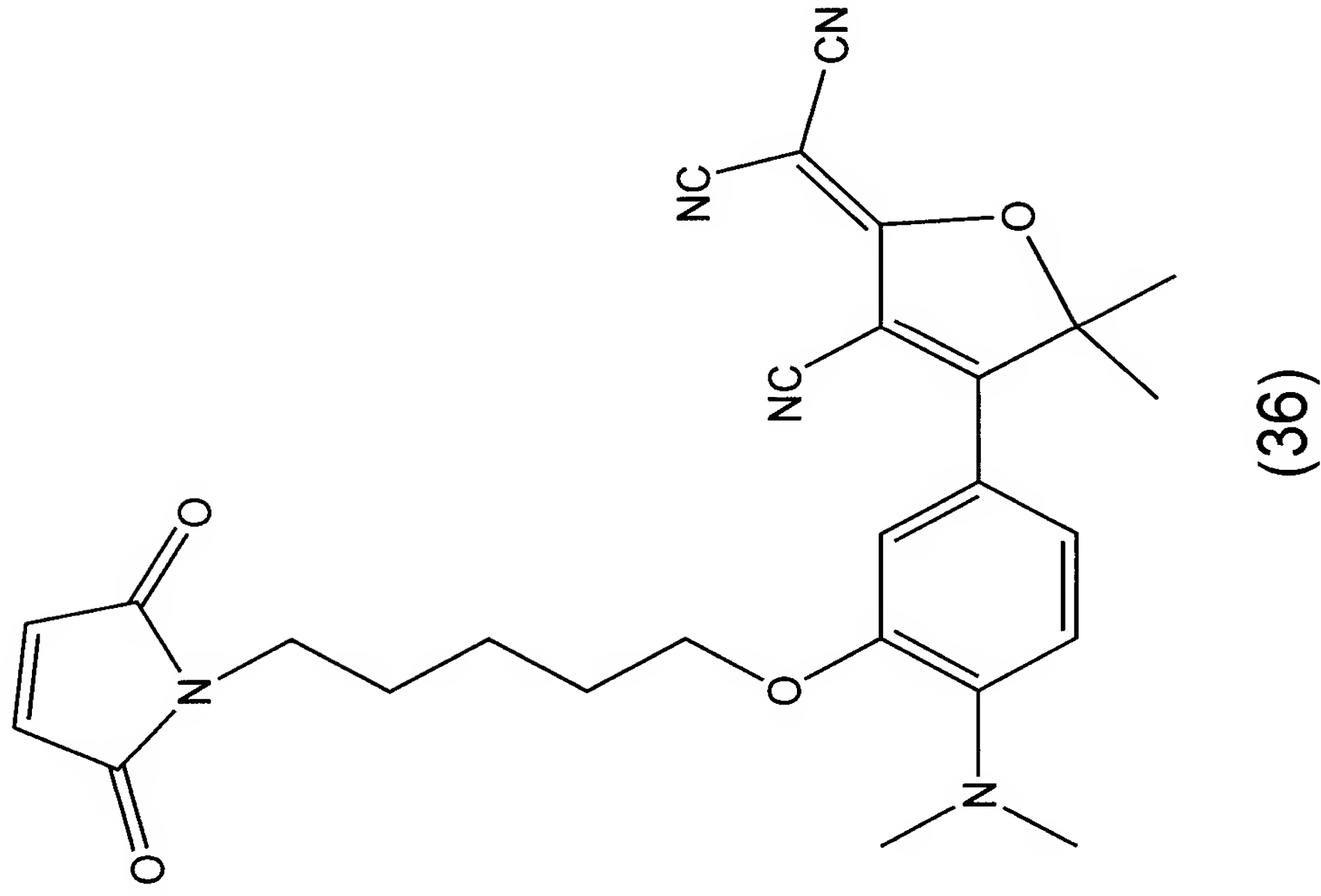


Fig. 22